

FEDERAL ITEM IDENTIFICATION GUIDE

LIGHTS, GENERAL PURPOSE

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Commander

Defense Logistics Information Service

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This Federal Item Identification Guide for Supply Cataloging is issued under the authority of Department of Defense Instruction 5025.7.

The use of this publication is mandatory for US. Federal Activities participating in Federal Catalog System Operations.

BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

- Index of Approved Item Names Covered by this FIIG
- Applicability Key Index
- Section I - Item Characteristics Data Requirements
- Section III - New text that should be here.
- Appendix A - Reply Tables
- Appendix B - Reference Drawing Groups (as applicable)
- Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign (\$) for an OR condition, or a double dollar sign (\$\$) for an AND condition, (5) the mode code, (6) the response or reply code

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(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

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This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

| <u>MRC</u> | <u>Mode</u> <u>Code</u> | <u>Requirement</u> | <u>Example</u> |
|------------|----------------------------|---|------------------------|
| CLQL | G | COLLOQUIAL NAME (common usage name by which an item is known) | CLQLGWOVEN WIRE CLOTH* |

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---------------------------|------------|----------------|
|---------------------------|------------|----------------|

Candelabra

1. A candlestick having multiple candleholders.

| | | |
|------------------------|-------|----|
| CANDELABRA (1), CHAPEL | 04707 | DH |
|------------------------|-------|----|

Excludes MENORAH.

| | | |
|---------------|-------|----|
| CANDLE BURNER | 13106 | DH |
|---------------|-------|----|

| | | |
|--------------|-------|----|
| CANDLER, EGG | 20576 | AB |
|--------------|-------|----|

| | | |
|--------------------|-------|----|
| CANDLESTICK, ALTAR | 16434 | DH |
|--------------------|-------|----|

| | | |
|------------------------------|-------|----|
| DIRECTIONAL LIGHT, VEHICULAR | 17689 | AA |
|------------------------------|-------|----|

An item which conforms to Light (1), and is specifically designed to be installed on a ground vehicle to provide a warning signal indicating the direction in which the vehicle is to turn. Excludes STOP LIGHT-TAILLIGHT, VEHICULAR and LIGHT, PARKING.

Excludes CANDELABRA (1), CHAPEL

Fixture

2. (Electrical) A device designed to accommodate and/or position lampholder(s) which provide illumination. Excludes FLOODLIGHT, (as modified); LIGHT, (as modified); or items with a specific name.

| | | |
|-----------------------|-------|----|
| FIXTURE (2), LIGHTING | 00513 | AB |
|-----------------------|-------|----|

An item consisting of one or more lampholder(s), usually with decorations, supporting arms, brackets, or mountings, designed to provide general illumination. May include a shade and/ or switch. Do not use if a more specific item name exists, such as LIGHT (as modified).

| | | |
|------------|-------|----|
| FLASHLIGHT | 00729 | AC |
|------------|-------|----|

An item which conforms to Light (1), with integral battery container or integral source of power, designed to be normally held in the hand to project a beam of light. Does not include an integral handle, but may include a means of carrying such as a clip, ring, or strap. The lens and/or reflecting surface may be part of the lamp. For items designed to be attached to a person in distress, see LIGHT, MARKER, DISTRESS.

| | | |
|------------------------|-------|----|
| FLASHLIGHT, DIAGNOSTIC | 38469 | AC |
|------------------------|-------|----|

An item used for general purpose examinations. It may be equipped with a clip-on mirror for deflecting the light beam. Excludes FLASHLIGHT; and FLASHLIGHT, EYE EXAMINING.

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---|------------|----------------|
| FLASHLIGHT DIAGNOSTIC SET, DENTAL | 14911 | AD |
| A device consisting of a pen-type flashlight with removable light conductors. It may have a clip-on mirror for deflecting the light beam. | | |
| FLASHLIGHT, EYE EXAMINING | 31402 | AD |
| An item used to illuminate the entire eye for corneal and lid examination, and fitting contact lenses. It is generally equipped with a cobalt blue light or other type of light to emphasize fluorescence. Excludes FLASHLIGHT; and FLASHLIGHT, DIAGNOSTIC. | | |
| FLOODLIGHT ASSEMBLY | 03427 | AF |
| An item which conforms to Light Assembly (1) and which consists of two or more floodlights. | | |
| FLOODLIGHT, ELECTRIC | 00520 | AE |
| An item which conforms to Light (1), and is designed to project a broad beam of light for relatively even illumination over a wide area. It must include reflector(s) and mounting facilities and may include accessories. Excludes items which can be adjusted to function as a SEARCHLIGHT or a SPOTLIGHT. See also SEARCHLIGHT; SPOTLIGHT; and LIGHT, PHOTOGRAPHIC. | | |
| HEADLIGHT | 22218 | AG |
| An item conforming to Light (1) which, when installed on a vehicle, projects a forward focused beam of light to a limited area and facilitates operation during periods of darkness. The item must include provisions for mounting on a vehicle. Excludes LAMP (as modified). | | |
| LAMP UNIT, VEHICULAR | 30104 | AG |
| A sealed item containing a light source and one or more of the following: reflectors, lens, shade, and/or mask. It is designed to be a replacement unit for a specific type light, such as those used on vehicles. Excludes LAMP, INCANDESCENT (vacuum-sealed beam type). | | |
| LANTERN, COLOR PERCEPTION TESTING | 15136 | AJ |
| A device consisting of a lampholder, a set of color standards and an integral handle. It may contain a battery container. It is designed to provide illuminated colored areas to test color vision. It is not designed for illumination of external objects. For items which provide general illumination, see LANTERN, ELECTRIC. | | |
| LANTERN, ELECTRIC | 00747 | AC |
| An item consisting of one or more lamp accommodations and integral or separate battery container, normally designed to be hand-carried and to project illumination. It must include an integral handle, however, may have provisions for mounting or strapping to the body or clothing or to poles, rods, or like objects. May include lens, reflector, globe, and other accessories. May include facilities for connection to external source of power. See also Light (as modified) and FLASHLIGHT. | | |

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---|--------------|----------------|
| Light | | |
| 1. An item specifically designed for the purpose of illumination. The item(s) must have provisions for directing or modifying the produced illumination and/or provisions for illuminated signaling. The item(s) must have accommodation(s) for one or more LAMP (as modified), which may or may not be included. | | |
| LIGHT (1), AIMING POST | 60701 | AJ |
| A light specifically designed to supply illumination on a POST, AIMING for night operation. It may be self-powered, and consist of those items required relevant to the light source such as battery case, lamp housing, toggle switch, lamphood, and filters. | | |
| LIGHT, ARC, PHOTOLITHOGRAPHIC | 18663 | AM |
| A light designed to provide illumination in photographic and lithographic copying. | | |
| Light Assembly | | |
| 1. Two or more lights on a common mounting or mounted on each other. Each light is usually separable and capable of functioning individually. | | |
| LIGHT ASSEMBLY (1), CLEARANCE MARKER | 03429 | AR |
| An item specifically designed to indicate clearance and/or the general outline of a ground vehicle. Consists of two or more LIGHT, MARKER, CLEARANCE. | | |
| LIGHT (1), BACKUP | 04450 | AG |
| A light specifically designed to be mounted on the rear of a vehicle to provide illumination for backing. | | |
| LIGHT (1), BEACON | 13620 | AP |
| A light specifically designed to indicate a geographical location. | | |
| LIGHT (1), BED | 00514 | AQ |
| A light specifically designed to be hung or fastened on a bed, bunk, or stanchion adjacent thereto, to provide illumination of the bed or bunk area. | | |
| LIGHT (1), BLACKOUT | 48766 | AG |
| A light designed to maintain vehicle security during hours of darkness and/or limited visibility by limiting horizontal and vertical illumination while providing ample illumination for safe vehicle operation. | | |
| LIGHT (1), BULKHEAD # | 49934 | AG |
| A light of specifically robust form, primarily designed for attachments to bulkheads, deck-heads and the like, where space is restricted. | | |

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|---|------------|----------------|
| LIGHT (1), COCKPIT, AIRCRAFT | 22778 | AR |
| A light specifically designed to be permanently installed in aircraft for map reading or cockpit illumination. It may contain dimming features, switches, filters, and/or cables or coiled cables to permit portability within the length of the cable. If provided with cables or coiled cables, the mounting base must remain fixed to the aircraft and include a snap-in or similar locking device to permit detachment and attachment of the light. For items that supply general illumination for other compartments of an aircraft, see LIGHT, DOME. Excludes LIGHT, EXTENSION. | | |
| LIGHT, COLOR PERCEPTION TESTING | 14900 | AS |
| An item consisting of a lampholder reflector, color filter, standard, base, plate rest, and an electrical cable assembly; the plate rest and lampholder are in a fixed position in relation to each other at specific angles to insure standard conditions of illumination of pseudoisochromatic plates for color vision testing. Excludes LIGHT, DESK and LIGHT, TABLE. | | |
| LIGHT, DENTAL OPERATING, CEILING | 28437 | AT |
| An item consisting of one or more rectangular light bodies and mounting which permits it to be fastened to the ceiling in the dental office. It is specifically designed to deliver illumination in a small prefocused pattern, to approximate daylight, and is of medium intensity. It is capable of being adjusted to all positions required in the practice of dentistry. It is not explosion-proof and has no sterilizable components. | | |
| LIGHT, DENTAL OPERATING, FIELD | 13903 | AU |
| An item consisting of a lighting unit, adjustable standard, cables and a base without casters, for operation on power line or battery, designed to illuminate the oral cavity in a manner suitable for dental surgery. It is specifically constructed for disassembly and storage in a carrying case. | | |
| LIGHT, DENTAL OPERATING UNIT | 14779 | AV |
| A reflector type light, usually having sectional type lens. It is designed to be mounted on a dental operating unit. It may include provisions for x-ray illumination. | | |
| LIGHT, DENTAL OPERATING, WALL BRACKET | 13900 | AW |
| An item consisting of a light head attached to an adjustable arm having a suitable fixture for wall mounting; for use in conjunction with a dental chair for general dental operating. | | |
| LIGHT, DENTAL TRANSILLUMINATOR | 41508 | AV |
| A portable item designed to serve as a light source for oral fiber optic transmission during dental examinations, diagnostics and treatment procedures. It may include a power box, replaceable light module, right angle fiber optic element and mounting bracket. | | |

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---|------------|----------------|
| LIGHT (1), DESK | 00515 | AX |
| A light specifically designed to be placed upon or fastened to, or near, a desk, bench or work table to provide illumination of a limited working surface. May include a shade, cord, switch, or one or more lamps. For lights specifically designed to be mounted on a power-operated metal-working and/or woodworking tools, see LIGHT, POWER TOOL. See also LIGHT, TABLE for decorative type table lights. | | |
| LIGHT (1), DOME | 04451 | AG |
| A light specifically designed to be mounted on the interior overhead area of a ground or air vehicle or a marine craft to provide general illumination of the interior. See also FIXTURE, LIGHTING. | | |
| LIGHT (1), EXTENSION | 00198 | DE |
| A light specifically designed for portable use by means of a length of flexible cable, which may or may not be provided. Includes one or more of the following: lamp, handle, guard, hook, reflector, switch, connector, light filter, lens, or globe. It may also include a cable reel. Excludes self-powered lights, and items such as desk lights and floor lights which are designed to be mounted or placed on or near a specified surface. See also FLOODLIGHT, ELECTRIC; LIGHT, COCKPIT, AIRCRAFT; SEARCHLIGHT; and SPOTLIGHT. | | |
| LIGHT (1), FLOOR | 00516 | AQ |
| A light designed to be placed on the floor to provide general illumination. May include a shade, cord, switch, or one or more lamp(s). | | |
| LIGHT (1), FOG | 04452 | AG |
| A light designed to be mounted on a vehicle to provide illumination for operation under foggy and adverse weather conditions. | | |
| LIGHT (1), GLIDE ANGLE, AIRPORT APPROACH | 13473 | BC |
| A light, with leveling arm, designed to project simultaneously three flat beams of different colored light to aid pilots in establishing the correct glide angle to an airstrip or runway. | | |
| LIGHT, HEAD, DIAGNOSTIC | 13491 | BD |
| An item that includes an adjustable headband, lamp, cord, and may include a detachable reflecting mirror. It is designed to project a beam of light at a given object, such as the inner ear. | | |
| LIGHT, HEAD, GENERAL PURPOSE | 52363 | BD |
| An item that includes an adjustable headband, lamp and batteries. It is designed to project a beam of light at a given object. | | |
| LIGHT, IGNITION TIMING | 05819 | BF |
| A neon lamp type indicator designed to show the interval of electrical impulses from the distributor or magneto to individual spark plugs of a gasoline engine. | | |

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|---|------------|----------------|
| LIGHT, INFRARED, PHYSICAL THERAPY | 23232 | BH |
| An item which emits infrared energy induced by an infrared lamp or element and designed for the purpose of applying heat therapy to a patient. It consists of a light head or heat element reflector, base, upright support, and cable assembly. | | |
| LIGHT, INFRARED TRANSMITTER | 00604 | AB |
| A light specifically designed for use with an infrared transmitter to emit energy in the infrared spectrum. May include LAMPHOLDER (as modified); Filter, and Lens. | | |
| LIGHT (1), INSTRUMENT | 21517 | BJ |
| A compact, sealed, electrical component, specifically designed to supply direct illumination for reticles in optical instruments, dials, and/or scales and level vials on mechanical devices. May include battery source, filters, cables, and controls for intensity of illumination. Provides method of securing. Excludes LIGHT, PANEL. Do not use if a more specific name exists. | | |
| LIGHT (1), LANDING, AIRCRAFT | 13454 | BK |
| A light specifically designed to be installed on aircraft to project a focused beam of bright light to facilitate landing operations during periods of darkness. See also LIGHT,TAXIING,AIRCRAFT. | | |
| LIGHT (1), MARKER, AIRCRAFT DITCHING | 20432 | DF |
| A light specifically designed to be used in conjunction with other similar items to mark a heading and indicate depth perception for aircraft ditching at night in the open ocean. | | |
| LIGHT (1), MARKER, AIRCRAFT OBSTRUCTION | 13588 | BM |
| A light specifically designed to mark an obstruction or hazard to aircraft in motion. See also FIXTURE, LIGHTING. | | |
| LIGHT (1), MARKER, AIRPORT APPROACH | 13589 | BM |
| A light specifically designed to be used in conjunction with other similar items, to indicate the projection of a runway or landing strip. | | |
| LIGHT (1), MARKER, AIRPORT RUNWAY | 16019 | BP |
| A light specifically designed to be used in conjunction with other similar items to outline the runway areas of an airport. For battery operated items, see LIGHT, MARKER, GROUND OBSTRUCTION. | | |
| LIGHT (1), MARKER, CLEARANCE | 17701 | AR |
| A light specifically designed to indicate clearance and/or the general outline of a ground vehicle. | | |

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|--|------------|----------------|
| LIGHT (1), MARKER, DISTRESS | 13510 | BF |
| A light designed to give the location of or indicate a person in distress. It is also used to mark line obstructions or hazards to ships for night replenishment at sea. May have facilities for sending coded signals. Includes flashlight types designed to be attached to a person in distress. See also FLASHLIGHT and LIGHT, SIGNAL. | | |
| LIGHT (1), MARKER, GROUND OBSTRUCTION | 16020 | BS |
| A light with an integral battery container or battery designed to be placed to mark an obstruction or hazard to vehicles or personnel. May include facilities for blinking. For items with handles see LANTERN, ELECTRIC. | | |
| LIGHT (1), MARKER, SHIP | 68046 | BM |
| An item positioned intermittently throughout a ship's superstructure identifying a ship's shape and depth. Used to visually aid a pilot on approach and landing. | | |
| LIGHT (1), MICROSCOPE | 13683 | BU |
| A device which illuminates, and may show in relief, objects viewed through a microscope. | | |
| LIGHT (1), NAVIGATIONAL, AIRCRAFT | 11500 | BV |
| A light specifically designed to be mounted on an aircraft to indicate its position in motion or at rest and/or its direction of travel. | | |
| LIGHT (1), NAVIGATIONAL, MARINE | 00519 | BW |
| A light specifically designed to be mounted on a marine craft to indicate its position in motion or at rest, its speed and/or its direction of travel. | | |
| LIGHT, OPHTHALMIC, PORTABLE | 11099 | BX |
| An item designed especially to provide intense, concentrated, glarefree illumination for eye, ear, nose, and throat examination and surgery. It includes lens system and color filter. | | |
| LIGHT (1), PARKING | 17702 | BZ |
| A light specifically designed to indicate the presence of a parked vehicle. Includes items which may be used for directional signaling. | | |
| LIGHT, PHOTOGRAPHIC | 13565 | CA |
| An item consisting of one or more lampholders with reflector(s) usually mounted or capable of being mounted on a stand, tripod, or having facilities for attaching to a wall, ceiling or other surface. Specifically designed to provide a broad beam of even illumination for photographic purposes. See also FLOODLIGHT, ELECTRIC and SPOTLIGHT. | | |

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| LIGHT (1), POWER TOOL | 00517 | AQ |
| A light specifically designed to be mounted on power-operated metalworking and/or woodworking tools. See also LIGHT, DESK. | | |
| LIGHT (1), RECOGNITION, AIRCRAFT | 11498 | CC |
| A light specifically designed to be permanently installed on aircraft to produce a steady or flashing signal for identification between aircraft in flight or between aircraft in flight and a ground station. | | |
| LIGHT (1), SIGNAL | 13509 | BS |
| A light specifically designed for the transmission of code messages by means of visible light rays interrupted or deflected by electrical and/or mechanical means. May include such items as integral control, lenses, and/or shutters. Excludes infrared equipment, items designed for regulating and directing aircraft traffic, and items designed primarily for searching. See also LIGHT, MARKER, DISTRESS and SEARCHLIGHT. | | |
| LIGHT (1), SIGNAL, SURVEYING | 18536 | AJ |
| A light consisting of a lampholder with reflector mounted in a framework or housing. It is designed for use as an illuminated target in triangulation surveying. Excludes SPOTLIGHT; FLOODLIGHT, ELECTRIC; and BATTERY-LAMP. | | |
| LIGHT, SLIT, OPHTHALMOLOGICAL # | 13986 | CF |
| LIGHT, SLIT, OPHTHALMIC | 34764 | CF |
| An item which consists of an illuminating unit and a binocular magnifier or microscope. Designed to permit independent manipulation of either unit, so that the anterior segment of a living eye can be examined. | | |
| LIGHT, SURGICAL, AMBULANCE # | 26367 | AT |
| A light specifically designed to be installed in an ambulance to provide illumination for operation approaches. | | |
| LIGHT, SURGICAL, BRACKET | 16813 | CH |
| An item consisting of a lampholder, swivel bracket, and battery cable. It is specifically designed for use with a standard field surgical apparatus support. | | |
| LIGHT, SURGICAL, CEILING | 09724 | AT |
| An item consisting of a circular light body and mounting which permits it to be fastened to the ceiling in the hospital operating room. It is specifically designed to provide high intensity large area illumination and positioning required in the performance of surgery. It is usually explosion-proof and may have sterilizable components. | | |

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| <u>Approved Item Name</u> | <u>INC</u> | <u>App Key</u> |
|---|------------|----------------|
| LIGHT, SURGICAL, FIELD | 09722 | CK |
| An item consisting of a light-head, standard, base and cables which is designed for illumination of the operative field. It may include batteries and is specially constructed for disassembly and storage in a carrying case. | | |
| LIGHT, SURGICAL, STAND | 09723 | CK |
| An item consisting of a light-body, with a support and base with casters which permits it to be placed on the floor. It is specifically designed to provide daylight illumination and positioning of minor operations and examinations. It may include an emergency power unit. | | |
| LIGHT (1), TABLE | 00518 | AQ |
| A light, usually with decorations, specifically designed to be placed on a piece of furniture other than a desk or bed, to provide general illumination. May include a shade, reflector, cord, switch(es), and/or one or more lamp(s). | | |
| LIGHT (1), TAXIING, AIRCRAFT | 11499 | CN |
| A light specifically designed to be installed on an aircraft to project a diffused beam of light to a limited area to facilitate taxing on the ground or water during periods of darkness. See also LIGHT (1), LANDING, AIRCRAFT. | | |
| LIGHT, TEST | 19422 | AR |
| An item specifically designed for testing an electrical circuit by means of a lamp. Generally consists of a LAMPHOLDER with test leads or similar connecting devices. | | |
| LIGHT (1), TRAFFIC, AIRCRAFT | 13453 | CQ |
| A hand-held light specifically designed to project a beam of light, usually colored, for the prime purpose of regulating and directing airborne and ground aircraft traffic in and around an airport. It may be portable or permanently attached and may include a housing, mounting plate, spring, cable(s), battery(ies), colored filter(s), lens(es), or a means for flashing signals. The lamp housing may include a pistol grip, trigger switch, aiming device, lamp(s), and the like. | | |
| LIGHT (1), TRAFFIC, VEHICULAR | 01128 | CR |
| A light primarily designed to regulate and direct pedestrian and/or vehicle traffic on the ground, or vehicle traffic on surface ships. | | |
| LIGHT, ULTRAVIOLET, DERMATOLOGICAL | 17649 | CS |
| A light which produces ultraviolet radiant energy for application in the diagnosis of various skin afflictions and conditions. | | |

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|--|------------|----------------|
| LIGHT, ULTRAVIOLET, METALS EXAMINING | 21008 | CT |
| An item specifically designed for use in determining the existence of seams, cracks, and other types of flaws in metals. It consists of an ultraviolet light source such as a mercury-vapor lamp, in a housing usually incorporating a pistol-grip handle, and a filter for the exclusion of visible light. See also DETECTOR, METAL FLAW, ELECTRONIC. | | |
| LIGHT, ULTRAVIOLET, PHYSICAL THERAPY | 08542 | CU |
| An item designed to produce ultraviolet rays for therapeutic application. | | |
| LIGHT, ULTRAVIOLET, SPECIMEN EXAMINING | 21009 | CT |
| An item consisting of a light body containing an ultraviolet radiation generator, fitted with a filter for passing ultraviolet at a specified radiation peak and screening out most of the visible radiation, with a manual or automatic sequence switch. It is usually fitted with a ballast if for operation on a utility circuit. Batteries and battery utilization circuits are usually contained in a separate carrying case. | | |
| LIGHT UNIT, EMERGENCY | 37315 | DG |
| A self-contained item designed to provide minimal illumination required for personnel safety and evacuation purposes. One or more lamps are automatically energized by integral battery(ies) when normal electric power is interrupted. Upon restoration of electric power, built-in charger automatically recharges battery(ies). May include battery condition and/or charge indicating device(s). Excludes LIGHT SET, GENERAL ILLUMINATION. | | |
| LIGHT UNIT, PORTABLE | 42539 | AB |
| An item which conforms to Light (1) and is designed to provide limited illumination to a work area. It must include a mounting frame with wheels or casters, shades or shields, supporting arms, switches, power cables, and a pulling or towing device. Excludes items with self contained power units and LIGHT SET, (as modified). | | |
| LIGHT (1), UTILITY, VEHICULAR | 36667 | AG |
| An item designed to illuminate a specific area such as license plate, glove compartment, underhood, trunk, floor, step, or for map reading. Accommodates replaceable type lamp. Excludes: LIGHT, FLOOR; LAMP UNIT, VEHICULAR; and LIGHT, DOME. | | |
| LIGHT (1), WARNING | 37426 | BZ |
| A light designed to be permanently or temporarily mounted or positioned on or near a movable/immovable object or obstruction to alert personnel of a dangerous, hazardous, or unusual condition or situation by automatically producing either repeated flashes of light or by rotation or oscillation of a light source. Excludes items with integral siren. | | |
| MENORAH | 04708 | DH |

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|--------------------------------------|------------|----------------|
| SAFELIGHT, DARKROOM, PHOTOGRAPHIC | 06139 | CZ |

A device designed for photographic darkroom illumination of such intensity and color range that sensitive materials are not affected during normal periods of development. It is comprised of a light tight housing or hood, and usually a lampholder, and may include one or more lamps and filters.

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| SANCTUARY LAMP | 16372 | AB |
| SEARCHLIGHT | 13193 | DA |

An item which conforms to Light (1) and is designed to project a concentrated, high intensity beam of light to locate or identify distant objects, and for long range illumination. May include such items as integral controls, lenses, color filters, and signaling shutters. Includes items which can be adjusted to function as a FLOODLIGHT, ELECTRIC. See also SPOTLIGHT; FLOODLIGHT, ELECTRIC; and LIGHT, SIGNAL.

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|-----------|-------|----|
| SPOTLIGHT | 00521 | DB |
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An item which conforms to Light (1) and is designed to project a sharply defined conical beam of light for high intensity illumination of a relatively nearby object(s). Includes items which can be adjusted to function as a FLOODLIGHT, ELECTRIC. See also FLOODLIGHT, ELECTRIC; LIGHT, PHOTOGRAPHIC; and SEARCHLIGHT.

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| SPOTLIGHT ASSEMBLY | 03431 | BZ |
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An item which conforms to Light Assembly (1) and which consists of two or more spotlights.

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| SPOTLIGHT SET | 19758 | BZ |
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A set consisting of two or more SPOTLIGHT or SPOTLIGHT ASSEMBLY. May include mounting facilities, wire and loom assembly, and accessories. Excludes SPOTLIGHT ASSEMBLY.

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|---------------------------------|-------|----|
| STOP LIGHT-TAILLIGHT, VEHICULAR | 17690 | DD |
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An item which has the dual purpose of a STOP LIGHT, VEHICULAR and TAILLIGHT, VEHICULAR. Includes items which may be used for directional signaling.

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| STOP LIGHT, VEHICULAR | 17703 | DD |
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An item which conforms to Light (1) and is specifically designed to be installed on the rear of a ground vehicle to provide a visual warning signal indicating that the vehicle is slowing or stopping. It includes items which may be used for directional signaling. See also STOP LIGHT-TAILLIGHT, VEHICULAR.

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|----------------------|-------|----|
| TAILLIGHT, VEHICULAR | 17691 | AR |
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An item which conforms to Light (1) and is specifically designed to be installed on the rear of a ground vehicle to indicate its rear position. See also STOP LIGHT-TAILLIGHT, VEHICULAR.

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|---|------------|----------------|
| WARNING ASSEMBLY, EMERGENCY, VEHICULAR | 39624 | BZ |

An item designed to be permanently or temporarily mounted on an emergency ground vehicle, such as an ambulance, fire truck, or police car; consisting of vehicle mounting device, rotating and/or flashing light unit(s), light filters(s), and integral electric siren(s) and/or remote siren speaker unit. May include remote controlled searchlight(s), floodlight(s), and/or public address speaker unit. For items without a siren see LIGHT (1), WARNING and PUBLIC ADDRESS SET.

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| SHPE | X | X | X | | X | X | X | | | X |
| HUES # | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABFY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ADAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| ASDB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ASXH | X | X | X | X | X | X | X | X | X | X |
| MATT | X | X | X | X | X | X | X | X | X | X |
| MDCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| STDC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRHX | X | X | X | X | X | X | X | X | X | X |
| AEUJ | X | X | X | X | X | X | X | X | X | X |
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| AETM | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| CZGS | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYB | AR | AR | | | AR | AR | AR | AR | AR | AR |
| AHHZ | AR | AR | | | AR | AR | AR | AR | AR | AR |
| AEYJ | | AR | | AR | | | AR | | | |
| AEYM | X | | X | | X | X | | | | X |
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| AEYT | | | | | AR | | | | | |
| AEYW | | | | | AR | | | | AR | |
| AFKE | | | | | AR | | | | AR | |
| CSHJ | | AR | | | AR | | | | | AR |
| BGDN | | AR | | | | | | | | |
| CSQM | | AR | | | | | | | | |
| AEZZ | | | | | | | | | AR | |
| CQQZ | | | | AR | | | | | | |
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| FEAT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| ZZZK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| ELCD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBME | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| PMWT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMLC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| BHMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AGAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CXCY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| HZRD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| ASXH | X | X | X | X | X | X | X | X | X | X |
| MATT | X | X | X | X | X | X | X | X | X | X |
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| SFTT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| STDC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRHX | X | X | X | X | X | X | X | X | X | X |
| AEUJ | X | X | X | X | X | X | X | X | X | X |
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| CTXJ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| PRPY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| CRHX | X | X | X | X | X | X | X | X | X | X |
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| AEXK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CSGT | AR | | AR | | | | AR | | | AR |
| AQYQ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AXGY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
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| AHHZ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYJ | | | AR | | | AR | | | AR | AR |
| AEYM | X | | | | | | X | | X | |
| AEZK | | | | | | | AR | | | |
| AEZL | | | | | | | AR | | | |
| AEZM | | | | | | | AR | | | |
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| AEYT | | AR | | | | | | AR | | |
| AEYW | | AR | | | | | | AR | | |
| AFKE | | AR | | | | | | AR | | |
| CSHJ | | AR | | AR | | | | | AR | AR |
| CSMG | | | | | | | | | AR | AR |
| ABVL | | | | | | | | X | | |
| ABFE | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TMQY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBBL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| FEAT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TEST | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SPCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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GENERAL INFORMATION
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| | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|
| ZZZX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRTL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRPY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ENAC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELRN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| NHCF | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELCD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBME | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMWT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMLC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| BHMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AGAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CXCY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| HZRD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| | <u>BX</u> | <u>BZ</u> | <u>CA</u> | <u>CC</u> | <u>CF</u> | <u>CH</u> | <u>CK</u> | <u>CN</u> | <u>CQ</u> | <u>CR</u> |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| NAME | X | X | X | X | X | X | X | X | X | X |
| SHPE | | X | | X | | | | X | | X |
| HUES # | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABFY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ADAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABKW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABHP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABMK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ASDB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ASXH | X | X | X | X | X | X | X | X | X | X |
| MATT | X | X | X | X | X | X | X | X | X | X |
| MDCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SFTT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| STDC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRHX | X | X | X | X | X | X | X | X | X | X |
| AEUJ | X | X | X | X | X | X | X | X | X | X |
| CRLP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CTXJ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AETM | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CSGT | | | | | | | AR | | | AR |
| AQYQ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AXGY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TTQY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CZGS | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AHHZ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYJ | | | AR | | | | | | AR | AR |
| AEYM | | X | | X | | | | | X | X |
| AEYR | AR | | | | | | AR | | | |
| AEYT | AR | | | | | | AR | | | |
| AEYW | | | | | | | AR | | | |
| AFKE | | | | | | | AR | | | |
| CSHJ | | | | AR | | | | AR | AR | |
| AEZW | | | | | | | | | | X |
| ABVL | X | | | | | | | | | |
| CQWT | X | | | | | | | | | |
| ABFE | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TMQY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBBL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| FEAT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TEST | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SPCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|
| CRTL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRPY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ENAC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELRN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| NHCF | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELCD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBME | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMWT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMLC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| BHMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AGAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CXCY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| HZRD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| | <u>CS</u> | <u>CT</u> | <u>CU</u> | <u>CZ</u> | <u>DA</u> | <u>DB</u> | <u>DD</u> | <u>DE</u> | <u>DF</u> | <u>DG</u> |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| NAME | X | X | X | X | X | X | X | X | X | X |
| SHPE | | | | | X | X | X | | | |
| HUES # | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABFY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ADAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABKW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABHP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ABMK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ASDB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ASXH | X | X | X | X | X | X | X | X | X | X |
| MATT | X | X | X | X | X | X | X | X | X | X |
| MDCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SFTT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| STDC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRHX | X | X | X | X | X | X | X | X | X | X |
| AEUJ | X | X | X | X | X | X | X | X | X | |
| CRLP | AR | AR | AR | AR | AR | AR | AR | AR | AR | |
| CTXJ | AR | AR | AR | AR | AR | AR | AR | AR | AR | |
| AEXD | AR | AR | AR | AR | AR | AR | AR | AR | AR | |
| AETM | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXK | AR | AR | AR | AR | AR | AR | AR | AR | AR | |
| CSGT | | AR | | | | | | | X | X |
| AQYQ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AXGY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEXY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TTQY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CZGS | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYB | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AHHZ | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AEYJ | | | | AR | AR | | | | | X |
| AEYM | | | | | X | X | | | X | |
| AEZK | | | | | AR | | | | | |
| AEZL | | | | | AR | | | | | |
| AEZM | | | | | AR | | | | | |
| AEYR | | | AR | | | AR | | | | AR |
| AEYT | | | AR | | | AR | | | | AR |
| AEYW | AR | | AR | | AR | | | | | AR |
| AFKE | AR | | AR | | AR | | | | | AR |
| CSHJ | | | | | | X | | X | | |
| CSQM | | | | | | | | AR | | |
| AEZZ | | | AR | | | | | | | |
| CRDD | | | X | | | | | | | |
| CWSJ | | | | | | | | | | X |
| ABFE | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TMQY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBBL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| FEAT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| TEST | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| SPCL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZK | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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| | | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|----|----|
| ZZZT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZW | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZX | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CRTL | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRPY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ENAC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELRN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| NHCF | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ELCD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CBME | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AFJN | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PRMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMWT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| PMLC | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| BHMT | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZP | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| ZZZV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| AGAV | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| CXCY | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |
| HZRD | AR | AR | AR | AR | AR | AR | AR | AR | AR | AR |

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DH

| | |
|--------|----|
| NAME | X |
| SHPE | X |
| HUES # | AR |
| ABFY | AR |
| ADAV | AR |
| ABKW | AR |
| ABHP | AR |
| ABMK | AR |
| ASDB | AR |
| ASXH | X |
| MATT | X |
| MDCL | AR |
| SFTT | AR |
| STDC | AR |
| CRHX | X |
| AEUJ | AR |
| CRLP | AR |
| CTXJ | AR |
| AEXD | AR |
| AETM | AR |
| AEXK | AR |
| AQYQ | AR |
| AXGY | AR |
| AEXV | AR |
| AEXW | AR |
| AEXX | AR |
| AEXY | AR |
| TTQY | AR |
| CZGS | AR |
| AEYB | AR |
| AHHZ | AR |
| ABFE | AR |
| TMQY | AR |
| CBBL | AR |
| FEAT | AR |
| TEST | AR |
| SPCL | AR |
| ZZZK | AR |
| ZZZT | AR |
| ZZZW | AR |
| ZZZX | AR |
| ZZZY | AR |
| CRTL | AR |
| PRPY | AR |
| ENAC | AR |
| ELRN | AR |
| NHCF | AR |
| ELCD | AR |
| AFJT | AR |
| CBME | AR |
| AFJN | AR |
| PRMT | AR |
| PMWT | AR |

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GENERAL INFORMATION
APPLICABILITY KEY INDEX

| | |
|------|----|
| PMLC | AR |
| BHMT | AR |
| ZZZP | AR |
| ZZZV | AR |
| AGAV | AR |
| CXCY | AR |
| HZRD | AR |

SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

ALL

| | | |
|------|---|-----------|
| NAME | D | ITEM NAME |
|------|---|-----------|

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED00515*)

AA, AB, AC, AE, AF, AG, AP, BF, BK, BM, BP, BS, BV, BW, BZ, CC, CN, CR, DA, DB, DD, DH

| | | |
|------|---|-------|
| SHPE | D | SHAPE |
|------|---|-------|

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: See Appendix B, Reference Drawing Group A and enter the applicable Reply Code from [Appendix A](#), Table 16. (e.g., SHPEDAND*)

ALL*

| | | |
|--------|---|-------|
| HUES # | D | COLOR |
|--------|---|-------|

Definition: A CHARACTERISTIC OF LIGHT THAT CAN BE SPECIFIED IN TERMS OF LUMINANCE, DOMINANT WAVELENGTH, AND PURITY.

Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 2, followed by the Mode Code and the applicable Reply Code from [Appendix A](#), Table 3. (e.g., HUES1BDGR0000*)

NOTE FOR MRCS ABFY, ADAV, ABKW, ABHP, ABMK, AND ASDB: REPLY TO THESE MRCS AS APPLICABLE. DIMENSIONAL MRCS EXCLUDE PROTRUDING TERMINALS AND/OR MOUNTING FACILITIES. FOR APPLICABILITY KEYS LISTED FOR MRC SHPE, ANSWER DIMENSIONS AS REQUIRED IN APPENDIX B, REFERENCE DRAWING GROUP A. APPLICABILITY KEYS NOT LISTED FOR MRC SHPE, ANSWER DIMENSIONS AS GIVEN ON SOURCE DOCUMENT.

ALL* (See Note Above)

| | | |
|------|---|---------------|
| ABFY | J | OVERALL DEPTH |
|------|---|---------------|

FIIG A063
SECTION I

| | | | |
|------------|-----|--------------|--------------|
| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA3.500*; ABFYJLA25.4*; ABFYJAB3.250\$\$JAC3.750*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABFY)

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.500*; ADAVJLA25.4*; ADAVJAB2.250\$\$JAC2.750*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABFY)

ABKW J OVERALL HEIGHT

FIIG A063
SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA4.500*; ABKWJLA25.4*; ABKWJAB4.250\$\$JAC4.750*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABFY)

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA5.000*; ABHPJLA25.4*; ABHPJAB4.250\$\$JAC5.500*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABFY)

ABMK J OVERALL WIDTH

FIIG A063
SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA3.000*; ABMKJLA25.4*; ABMKJAB2.750\$\$JAC3.250*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC ABFY)

ASDB J WIDTH ACROSS FLATS

Definition: THE SHORTEST STRAIGHT LINE BETWEEN FLATS, PERPENDICULAR TO THE HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASDBJAA0.750*; ASDBJLA25.4*; ASDBJAB0.500\$\$JAC1.000*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL

ASXH J VOLTAGE RATING IN VOLTS

FIIG A063
SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

Definition: THE VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ASXHJBA220.0*; ASXHJBB110.0\$JBC120.0*; ASXHJBA115.0\$JCA28.0*)

Table 1

REPLY CODE

B

C

REPLY (AB62)

AC

DC

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

NOTE FOR MRCS MATT, MDCL, SFTT, AND STDC: SEE APPENDIX C, TABLE 1, FOR CLARIFICATION OF TERMS AND RECORDING INSTRUCTIONS.

ALL (See Note Above)

MATT D MATERIAL

Definition: THE CHEMICAL COMPOUND OR MECHANICAL MIXTURE PROPERTIES OF WHICH THE ITEM IS FABRICATED.

Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 2, followed by the Mode Code and the applicable Reply Code from [Appendix A](#), Table 1. (e.g., MATT1ADCUA000*; MATT1ADCUB000\$DPCA000\$DSTA000\$DPCA000*)

ALL* (See Note Preceding MRC MATT)

MDCL J MATERIAL DOCUMENT AND CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS CLASS, CONDITION, TEMPER, AND THE LIKE, THAT IDENTIFIES THE MATERIAL.

FIIG A063
SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

Reply Instructions: Enter the applicable I/SAC from [Appendix C](#), Table 2, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the document designator and classification, if required.

(e.g., MDCL1AJBAQQ-B-613*;

MDCL1AJBAQQ-B-626\$\$JBAQQ-S-763, CLASS 301*;

MDCL1AJBAQQ-B-626\$JBAQQ-S-763, CLASS 301*)

Table 1

| <u>REPLY CODE</u> | <u>REPLY (AP33)</u> |
|-------------------|---------------------|
| G | ASSN STD |
| B | FED SPEC |
| C | FED STD |
| F | MFR REF |
| D | MIL SPEC |
| E | MIL STD |
| M | NATIONAL STD/SPEC |

Table 2

| <u>REPLY CODE</u> | <u>REPLY (AP18)</u> |
|-------------------|--|
| G | ALL MATERIAL RESPONSES (use only when all material is controlled by the same document and classifications are identical) |
| A | SINGLE MATERIAL RESPONSE |
| B | 1ST MATERIAL RESPONSE |
| C | 2ND MATERIAL RESPONSE |
| D | 3RD MATERIAL RESPONSE |
| E | 4TH MATERIAL RESPONSE |
| F | 5TH MATERIAL RESPONSE |

ALL* (See Note Preceding MRC MATT)

| | | |
|------|---|-------------------|
| SFTT | D | SURFACE TREATMENT |
|------|---|-------------------|

Definition: THE METALLIC, NONMETALLIC, AND/OR CHEMICAL PROPERTIES WITH WHICH THE ITEM IS PLATED, DIPPED, AND/OR COATED. THE TREATMENT IS DESIGNED TO PROTECT THE SURFACE(S) AND CANNOT BE WIPED OFF.

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|--|-----|--------------|--------------|
| Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 2, followed by the Mode Code and applicable Reply Code from Appendix A , Table 2. (e.g., SFTT1ADCDA000*; SFTT1BDANA000\$\$DCMA000*; SFTT1BDENA000\$DLQA000*) | | | |

ALL* (See Note Preceding MRC MATT)

STDC J SURFACE TREATMENT DOCUMENT AND
CLASSIFICATION

Definition: THE SPECIFICATION, STANDARD, OR MANUFACTURERS REFERENCE, AND THE CLASSIFICATION DESIGNATION, SUCH AS TYPE, CLASS, GRADE, AND THE LIKE, THAT IDENTIFIES THE SURFACE TREATMENT MATERIAL.

Reply Instructions: Enter the applicable I/SAC from [Appendix C](#), Table 2, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the document designation and classification.

(e.g., STDC1AJBAQQ-P-416*;

STDC1AJCATT-E-485\$\$JDAMIL-E-5556*;

STDC1AJCATT-E-485\$JDAMIL-E-5556*)

Table 1

| <u>REPLY CODE</u> | <u>REPLY (AP33)</u> |
|-------------------|---------------------|
| G | ASSN STD |
| B | FED SPEC |
| C | FED STD |
| F | MFR REF |
| D | MIL SPEC |
| E | MIL STD |
| M | NATIONAL STD/SPEC |

Table 2

| <u>REPLY CODE</u> | <u>REPLY (AP39)</u> |
|-----------------------|--|
| G | ALL TREATMENT RESPONSES (use only when all treatment is controlled by the same document and classifications are identical) |
| A | SINGLE TREATMENT RESPONSE |
| B | 1ST TREATMENT RESPONSE |
| C | 2ND TREATMENT RESPONSE |
| D | 3RD TREATMENT RESPONSE |
| E | 4TH TREATMENT RESPONSE |
| F | 5TH TREATMENT RESPONSE |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

ALL

CRHX J LAMP TYPE ACCOMMODATED AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF LAMPS THAT THE ITEM CAN ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CRHXJAD2*; CRHXJAH1\$\$JAF1*)

| <u>REPLY CODE</u> | <u>REPLY (AD48)</u> |
|-------------------|-------------------------|
| BF | ARGON |
| BY | CANDELABRA |
| CS | CANDLE |
| AB | CARBON ARC |
| AC | FLASHTUBE |
| AD | FLUORESCENT |
| AF | INCANDESCENT |
| AG | INFRARED |
| CP | KRYPTON |
| AH | MERCURY VAPOR |
| AJ | MERCURY-XENON |
| CQ | METALLIC IODIDES |
| <i>AK</i> | <i>NEON</i> |
| CM | SODIUM VAPOR |
| <i>AS</i> | <i>TUNGSTEN HALOGEN</i> |
| AM | ULTRAVIOLET |
| AQ | WICK |
| CF | XENON |

AA, AB, AC, AD, AE, AF, AG, AJ, AM, AP, AQ, AR, AS, AT, AU, AV, AW, AX, BC, BD, BF, BH, BJ, BK, BM, BP, BS, BU, BV, BW, BX, BZ, CA, CC, CF, CH, CK, CN, CQ, CR, CS, CT, CU, CZ, DA, DB, DD, DE, DF, DH*

AEUJ D LAMP BASE TYPE ACCOMMODATED

Definition: INDICATES THE TYPE OF LAMP BASE THE ITEM WILL ACCOMMODATE.

Reply Instructions: See Appendix B, Reference Drawing Group B, and enter the applicable Reply Code from [Appendix A](#), Table 11. (e.g., AEUJDAF*; AEUJDAF\$DCC*; AEUJDAF\$\$DCN*)

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

AA*, AB*, AC*, AD*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*,
AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*,
CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*,
DF*, DH*

CRLP J LENS TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF LENSES INCLUDED IN THE ITEM.

Reply Instructions: See Appendix B, Reference Drawing Group C, and enter the applicable Reply Code from [Appendix A](#), Table 13, followed by the quantity. (e.g., CRLPJCB1*; CRLPJAH4\$JAM4*)

AA*, AB*, AC*, AD*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*,
AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*,
CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*,
DF*, DH*

CTXJ D LENS SURFACE CONDITION

Definition: THE CONDITION OF THE LENS WITH RESPECT TO THE TEXTURE OF THE SURFACE.

Reply Instructions: Enter the applicable I/SAC from Appendix C, Table 3, followed by the Mode Code and the applicable Reply Code from [Appendix A](#), Table 4. (e.g., CTXJ1PDSM*; CTXJ1QDPM*; CTXJ1PDSM\$DPM*)

AA*, AB*, AC*, AD*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*,
AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*,
CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*,
DF*, DH*

AEXD D LENS COLOR

Definition: THE HUE OR TINT OF THE LENS.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AEXDDRE0000*; AEXDDAM0000\$DRE0000*; AEXDDAM0000\$DRE0000*)

ALL*

AETM D FILTER COLOR

Definition: THE HUE OR TINT OF THE FILTER.

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 3. (e.g., AETMDRE0000*; AETMDAM0000\$DRE0000*; AETMDAM0000\$DRE0000*)

AA*, AB*, AC*, AD*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*, AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*, CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*, DF*, DH*

AEXK D LENS TRANSPARENCY

Definition: THE ABILITY OF THE LENS TO TRANSMIT LIGHT AND ALLOW VISUAL PERCEPTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEXKDAH*)

| <u>REPLY CODE</u> | <u>REPLY (AF93)</u> |
|-------------------|---------------------|
| AE | OPAQUE |
| AH | TRANSLUCENT |
| AJ | TRANSPARENT |

AC, AE*, AJ, AP*, AU*, BF*, BJ*, BS*, BW*, CK*, CR*, CT*, DF, DG

CSGT J BATTERY TYPE AND QUANTITY REQUIRED

Definition: INDICATES THE TYPE AND NUMBER OF BATTERIES REQUIRED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CSGTJB2*)

| <u>REPLY CODE</u> | <u>REPLY (AD57)</u> |
|-------------------|---------------------|
| B | DRY |
| C | WET |

ALL*

AQYQ A NUMERIC DESIGNATOR

Definition: THE NUMBER ASSIGNED TO DESIGNATE THE ITEM.

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

Reply Instructions: Enter the applicable manufacturer's designation, the industrial designation of the battery type or the National Stock Number of the battery.

(e.g., AQYQANBA3030*;

AQYQA6140-12-121-2194*)

For optional types of batteries use OR condition coding.

ALL*

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 5. (e.g., AXGYDABC*)

Reply pertains to the mounting feature provided on the item.

NOTE FOR MRCS AEXV, AEXW, AEXX, AND AEXY: IF REPLY CODE ABB IS ENTERED FOR MRC AXGY, REPLY TO MRCS AEXV, AEXW, AEXX, AND AEXY, AS APPLICABLE.

ALL* (See Note Above)

AEXV J MOUNTING BASE LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE MOUNTING BASE, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEXVJAA5.750*; AEXVJLA25.4*; AEXVJAB5.750\$\$JAC5.775*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

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SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

ALL* (See Note Preceding MRC AEXV)

AEXW J MOUNTING BASE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE MOUNTING BASE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEXWJAA4.250*; AEXWJLA25.4*; AEXWJAB4.225\$\$JAC4.275*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL* (See Note Preceding MRC AEXV)

AEXX J MOUNTING BASE HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE MOUNTING BASE, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEXXJAA1.250*; AEXXJLA25.4*; AEXXJAB1.225\$\$JAC1.275*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

FIIG A063
SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

ALL* (See Note Preceding MRC AEXV)

AEXY J MOUNTING BASE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUNTING BASE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AEXYJAA3.250*; AEXYJLA25.4*; AEXYJAB3.225\$\$JAC3.275*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

ALL*

TTQY J TERMINAL TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 6, followed by the quantity. (e.g., TTQYJAEX2*)

ALL*

CZGS D TRADE DESIGNATOR OF THE MALE OR FEMALE CONNECTOR

Definition: THE DESIGNATION BY WHICH THE MALE OR FEMALE CONNECTOR IS IDENTIFIED THROUGHOUT INDUSTRY.

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SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CZGSDFJZ*)

REPLY CODE

FJZ
FVR
FVS
BAG

REPLY (AK54)

FORM
MODEL
STYLE
TYPE

AA*, AB*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*, AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*, CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*, DF*, DG*, DH*

AEYB D WIRING PROVISION METHOD

Definition: THE MEANS PROVIDED FOR ELECTRICAL CONNECTION OF THE ITEM TO A POWER SOURCE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEYBDB*)

REPLY CODE

D
C
B

REPLY (AD53)

CABLE ASSEMBLY (cable with terminals)
CABLE (more than one lead in the cable)
INDIVIDUAL WIRE

AA*, AB*, AE*, AF*, AG*, AJ*, AM*, AP*, AQ*, AR*, AS*, AT*, AU*, AV*, AW*, AX*, BC*, BD*, BF*, BH*, BJ*, BK*, BM*, BP*, BS*, BU*, BV*, BW*, BX*, BZ*, CA*, CC*, CF*, CH*, CK*, CN*, CQ*, CR*, CS*, CT*, CU*, CZ*, DA*, DB*, DD*, DE*, DF*, DG*, DH*

AHHZ J WIRING PROVISION LENGTH

Definition: THE MEASUREMENT OF EACH WIRING PROVISION OF AN ITEM TAKEN FROM THE BODY TO THE ENDS OF THE WIRING PROVISION, INCLUDING ANY TERMINATIONS.

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

Reply Instructions: Enter the applicable I/SAC from [Appendix C](#), Table 5, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the numeric value. (e.g., AHHZ1FJAA72.0*; AHHZ1FJLA180.4*; AHHZ1FJAB71.0\$\$JAC73.0*; AHHZ1AJAA12.0* AHHZ1BJAA18.0*)

Table 1

REPLY CODE

A

L

REPLY (AA05)

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AB*, AD*, AG*, AQ*, AX*, BJ*, BP*, BV*, BW*, CA*, CQ*, CR*, CZ*, DA*, DG

AEYJ D ILLUMINATION DIRECTING DEVICE TYPE

Definition: INDICATES THE TYPE OF DEVICE OTHER THAN THE LENS USED TO DIRECT ILLUMINATION.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 7. (e.g., AEYJDAL*; AEYJDAS\$\$DBP*)

AA, AC, AE, AF, AP, BF, BS, BV, BZ, CC, CQ, CR, DA, DB, DF

AEYM D LIGHT BEAM MOTION

Definition: THE PATTERN OF MOTION OF THE LIGHT BEAM WHEN IN OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEYMDF*; AEYMDB\$\$DF*)

REPLY
CODE

B

F

C

D

REPLY (AD55)

FIXED (steady nonmoving beam)

FLASHING (having alternate dark and light intervals - includes blinking)

OSCILLATING (moving in a back and forth motion in a single plane)

ROTATING (moving in a continuous circular motion in a single plane)

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SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

BS*, DA*

AEZK D BEAM SIGNAL TYPE

Definition: INDICATES THE TYPE OF BEAM SIGNAL (BLINKING, CODING, OR FLASHING) THE ITEM PROVIDES IN ITS FUNCTION.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZKDAAG*)

| | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AD63)</u> |
| AAG | DEFLECTED |
| AAH | INTERRUPTED |
| AAJ | MODULATED |

BS*, DA*

AEZL D BEAM SIGNAL METHOD

Definition: THE MEANS USED TO INTERRUPT THE BEAM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZLDB*; AEZLDC\$\$DB*)

| | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AD64)</u> |
| C | CIRCUIT |
| B | SHUTTER |

BS*, DA*

AEZM D BEAM SIGNAL CONTROL LOCATION

Definition: INDICATES THE LOCATION OF CONTROL OF THE BEAM SIGNAL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZMDB*; AEZMDB\$\$DC*)

| | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AD65)</u> |
| B | LOCAL |
| C | REMOTE |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

AE*, AU*, AV*, AW*, AX*, BH*, BU*, BX*, CK*, CU*, DB*, DG*

AEYR D LIGHT ADJUSTMENT METHOD

Definition: THE MEANS OF CHANGING THE DIRECTION OF THE ILLUMINATING SOURCE WITHOUT CHANGING THE MOUNTING.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 9. (e.g., AEYRDAD*; AEYRDAL\$DAW*)

AE*, AU*, AV*, AW*, AX*, BH*, BU*, BX*, CK*, CU*, DB*, DG*

AEYT J LIGHT ADJUSTMENT LIMITS

Definition: THE DIMENSIONAL LIMITS TO WHICH THE LIGHT WILL ADJUST.

Reply Instructions: Enter the applicable I/SAC from [Appendix C](#), Table 4, followed by the Mode Code, the applicable Reply Codes from Tables 1 and 2 below, and the numeric value. (e.g., AEYT1AJAA30.0*; AEYT1AJDA50.0*; AEYT1AJLA25.4*; AEYT1AJAB29.0\$JAC31.0*; AEYT1AJAA20.0* AEYT1BJAA30.0*)

Table 1

REPLY CODE

D

A

L

REPLY (AA05)

DEGREES

INCHES

MILLIMETERS

Table 2

REPLY CODE

A

B

C

REPLY (AC20)

NOMINAL

MINIMUM

MAXIMUM

AE*, AM*, AT*, AU*, AV*, AW*, BD*, BH*, BU*, CK*, CS*, CU*, DA*, DG*

AEYW D REFLECTOR SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE REFLECTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEYWDACA*)

REPLY CODE

REPLY (AD07)

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|---------------|
| | | ACA | CONCAVE |
| | | ACD | CONICAL |
| | | ACK | CONVEX |
| | | AEL | ELLIPTICAL |
| | | AFM | FLAT SURFACE |
| | | ALG | PARABOLIC |
| | | AND | RECTANGULAR |
| | | APL | ROUND |
| | | AXG | TERRACED CONE |
| | | AXN | TRAPEZOIDAL |

AE*, AM*, AT*, AU*, AV*, AW*, BD*, BH*, BU*, CK*, CS*, CU*, DA*, DG*

AFKE D REFLECTOR INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE THAT ACCOMMODATES THE REFLECTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFKEDB*)

Open type - one which incloses the reflector in an open frame. Inclosed type - one which completely incloses the reflector in a frame, generally with a glass cover.

| <u>REPLY CODE</u> | <u>REPLY (AE19)</u> |
|-------------------|---------------------|
| E | INCLOSED MULTIPLE |
| C | INCLOSED SINGULAR |
| D | OPEN MULTIPLE |
| B | OPEN SINGULAR |

AB*, AE*, AP*, AQ, AX*, BH*, BK*, BV*, BW*, CC*, CN*, CQ*, DB, DE

CSHJ D LAMP PROTECTION DEVICE

Definition: THE MEANS PROVIDED TO PROTECT THE LAMP FROM DAMAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. Includes lens(es), filter(s), and the like. (e.g., CSHJDB*; CSHJDC\$\$DD\$DJ*)

| <u>REPLY CODE</u> | <u>REPLY (AD60)</u> |
|-------------------|----------------------------|
| A | CLOSED END GUARD |
| J | CLOSED END GUARD WITH HOOK |
| H | CLOSED END WIRE GUARD |
| B | GRILL (screen) |

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| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|---------------------------|
| | | E | GRILL WITH HOOK |
| | | C | OPEN END GUARD |
| | | F | OPEN END GUARD WITH HOOK |
| | | D | OPEN SIDE GUARD |
| | | G | OPEN SIDE GUARD WITH HOOK |

AB*, AQ*, AX*

BGDN D PERIOD DESIGN

Definition: THE DESIGN OF AN ITEM DISTINGUISHED BY THE TIME PERIOD IN WHICH THAT PARTICULAR DESIGN CAME INTO USE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 15. (e.g., BGDNDAAD*)

BC*, BV*, BW*

CSMG B NOMINAL VISIBILITY ARC IN DEG

Definition: THE NOMINAL DEGREES OF ARC THE EMITTED LIGHT IS VISIBLE.

Reply Instructions: Enter the applicable I/SAC from [Appendix C](#), Table 4, followed by the Mode Code and the numeric value. (e.g., CSMG1AB90.0*; CSMG1AB90.0* CSMG1BB110.0*)

AB*, DE*

CSQM D ELECTRICAL CONNECTOR RECEPTACLE MATING
MEMBER ACCOMMODATION

Definition: THE MATING MEMBER ACCOMMODATED BY THE ELECTRICAL CONNECTOR RECEPTACLE INCLUDED ON THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CSQM DAEZ*)

| <u>REPLY CODE</u> | <u>REPLY (AN89)</u> |
|-----------------------|--|
| AEW | CONNECTOR, PLUG, EXTERNAL, CURVED BLADE, 2 WIRE |
| AEX | CONNECTOR, PLUG, EXTERNAL, CURVED BLADE, 3 WIRE |
| AEY | CONNECTOR, PLUG, EXTERNAL, FLAT BLADE, 3 WIRE |

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| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|---|
| | | AEZ | CONNECTOR, PLUG, EXTERNAL, RIGHT ANGLE T-BLADE |
| | | AFA | CONNECTOR, PLUG, EXTERNAL, STANDARD PARALLEL, 2 BLADE |
| | | AFB | CONNECTOR, PLUG, EXTERNAL, STANDARD TANDEM BLADE |
| | | AFC | CONNECTOR, PLUG, EXTERNAL, 3 CONTACTS, 1 CONTACT U-SHAPED FOR GROUND |

CR

AEZW D TRAFFIC SIGNAL TYPE

Definition: INDICATES THE TYPE OF TRAFFIC THE SIGNAL IS DESIGNED TO CONTROL.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZWDB*; AEZWDB\$DC*; AEZWDB\$DC*)

| <u>REPLY CODE</u> | <u>REPLY (AD69)</u> |
|-------------------|---------------------|
| B | PEDESTRIAN |
| C | VEHICULAR |

BU, BX

ABVL J APERTURE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN APERTURE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABVLJAA1.500*; ABVLJLA25.4*; ABVLJAB1.475\$JAC1.525*)

| <u>Table 1</u> | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AA05)</u> |
| A | INCHES |
| L | MILLIMETERS |

| <u>Table 2</u> | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AC20)</u> |
| A | NOMINAL |
| B | MINIMUM |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
| | | C | MAXIMUM |

AM*, AT*, CU*

AEZZ D LIGHT SUSPENSION COUNTERBALANCE METHOD

Definition: THE MEANS PROVIDED FOR SUSPENDING AND BALANCING AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEZZDB*)

| <u>REPLY CODE</u> | <u>REPLY (AD70)</u> |
|-------------------|-----------------------|
| B | DOUBLE TRACK FIXED |
| C | DOUBLE TRACK ROTATING |
| D | OFFSET PENDANT |
| E | SINGLE TRACK FIXED |
| F | SINGLE TRACK ROTATING |
| G | STRAIGHT PENDANT |
| H | VERTICAL SLIDING |

BX

CQWT H LIGHT INTENSITY

Definition: THE INTENSITY OF LIGHT MEASURED AT A GIVEN DISTANCE FROM THE SOURCE, AND THE FIELD OF LIGHT PROJECTION.

Reply Instructions: Enter the applicable Reply Codes from Tables 1, 2, and 3 below. (e.g., CQWTHBBE*)

| <u>Table 1</u> | |
|-------------------|-------------------------|
| <u>REPLY CODE</u> | <u>REPLY (AE21)</u> |
| B | 600 MINIMUM FOOTCANDLES |
| C | 800 MINIMUM FOOTCANDLES |

| <u>Table 2</u> | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AE20)</u> |
| B | AT 10 INCHES |
| C | AT 30 INCHES |

| <u>Table 3</u> | |
|----------------|---------------------|
| <u>REPLY</u> | <u>REPLY (AE22)</u> |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--|
| | | | <u>CODE</u> |
| | | | E 3.000 INCHES DIAMETER |
| | | | B 4.500 INCHES WIDE ON VERTICAL AXIS, MAXIMUM |
| | | | C 6.500 INCHES WIDE ON HORIZONTAL AXIS, MINIMUM |
| | | | D 7.000 INCHES WIDE ON HORIZONTAL AXIS, MINIMUM |

AD*

CQQZ D LIGHTING CONDUCTOR ATTACHMENT METHOD

Definition: THE MEANS OF ATTACHING THE LIGHTING CONDUCTORS TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CQQZDACS*)

| <u>REPLY CODE</u> | <u>REPLY (AM39)</u> |
|-------------------|---------------------|
| AEM | COMPRESSION |
| ACS | THREAD |

CU

CRDD J LIGHT OUTPUT IN MICROWATTS

Definition: THE AMOUNT OF LIGHT OUTPUT AT A GIVEN DISTANCE FROM THE SOURCE PER SPECIFIC MEASUREMENT SCALE, EXPRESSED IN MICROWATTS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., CRDDJGE600.0*)

| <u>Table 1</u> | |
|-------------------|-----------------------|
| <u>REPLY CODE</u> | <u>REPLY (AB39)</u> |
| G | PER SQUARE CENTIMETER |
| A | PER SQUARE INCH |

| <u>Table 2</u> | |
|-------------------|----------------------|
| <u>REPLY CODE</u> | <u>REPLY (AE23)</u> |
| F | 0 DISTANCE FROM LAMP |
| C | 10 INCHES FROM LAMP |
| D | 20 INCHES FROM LAMP |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------------------|
| | | G | 25 CENTIMETERS FROM LAMP |
| | | E | 30 INCHES FROM LAMP |
| | | H | 50 CENTIMETERS FROM LAMP |
| | | J | 75 CENTIMETERS FROM LAMP |

DG

CWSJ B BURNING TIME IN HOURS

Definition: THE DURATION OF LIGHT EMISSION PER BATTERY CHARGE, RATED IN HOURS.

Reply Instructions: Enter the numeric value. (e.g., CWSJB2.5*)

ALL*

ABFE D HAZARDOUS LOCATIONS/ENVIRONMENTAL PROTECTION

Definition: THE SPECIFIC COMMERCIAL RATING WHICH CLASSES THE ITEM AS TO WHAT DEGREE THE ITEM WILL WITHSTAND ENVIRONMENTAL ELEMENTS AND/OR HAZARDOUS LOCATIONS.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 10. (e.g., ABFEDAV*; ABFEDAA\$\$DAE*; ABFEDAV\$DAT*)

ALL*

TMQY J FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 17, followed by the quantity. (e.g., TMQYJAHP1*; TMQYJAHL1\$\$JAHM2*)

NOTE FOR MRC CBBL AND FEAT: E MODE REPLIES WILL NOT BE ACCEPTABLE IN REPLY TO MRC CBBL. IF A REPLY IS NOT REFLECTED ON THE TABLE FOR MRC CBBL, ENTER THE FEATURE IN REPLY TO MRC FEAT.

ALL* (See Note Above)

CBBL D FEATURES PROVIDED

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SECTION I

| | | | |
|-----|-----|------|--------------|
| APP | | Mode | |
| Key | MRC | Code | Requirements |

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 12. (e.g., CBBLDAHT*; CBBLDAHT\$\$DAHX*)

ALL * (See Note Preceding MRC CBBL)

| | | |
|------|---|------------------|
| FEAT | G | SPECIAL FEATURES |
|------|---|------------------|

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

| | | |
|------|---|--------------------|
| TEST | J | TEST DATA DOCUMENT |
|------|---|--------------------|

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321\$\$JB5556A-663654*;

TESTJAA2345-654321\$JB55566-663654*)

REPLY
CODE

A

REPLY (AC28)

SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and

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| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|---|
| | | | performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.) |
| | | B | STANDARD (Includes industry or association standards, individual manufacturer standards, etc.) |
| | | C | DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing) |

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

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| APP Key | MRC | Mode Code | Requirements |
|------------|---|--------------|--------------|
| <hr/> | | | |
| | ZZZKJS81349-MIL-C-1140C/CE/*; | | |
| | ZZZKJT81337-30642B\$\$JP80205-NAS1103*) | | |

| <u>REPLY CODE</u> | <u>REPLY (AN62)</u> |
|-----------------------|--|
| S | GOVERNMENT SPECIFICATION |
| T | GOVERNMENT STANDARD |
| D | MANUFACTURERS SOURCE CONTROL |
| R | MANUFACTURERS SPECIFICATION |
| N | MANUFACTURERS SPECIFICATION CONTROL |
| M | MANUFACTURERS STANDARD |
| B | NATIONAL STD/SPEC |
| A | PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION |
| P | PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD |

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from [Appendix A](#), Table 14, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1\$\$JSTA*; ZZZTJTY1\$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|--|------|--------------|--|
| <p>Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)</p> | | | |
| ALL* | | | |
| | ZZZX | G | DEPARTURE FROM CITED DESIGNATOR |
| <p>Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)</p> | | | |
| ALL* | | | |
| | ZZZY | G | REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS |
| <p>Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.</p> <p>Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)</p> | | | |
| ALL* | | | |
| | CRTL | A | CRITICALITY CODE JUSTIFICATION |
| <p>Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.</p> | | | |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--------------|
|------------|-----|--------------|--------------|

Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CTRLAMATL*; CTRLAMATL\$\$ASURF*)

Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.

NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.

ALL* (See Note Above)

| | | |
|------|---|-----------------------------|
| PRPY | A | PROPRIETARY CHARACTERISTICS |
|------|---|-----------------------------|

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding (\$\$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL\$\$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

| | | |
|------|---|------------------------------|
| ENAC | D | ENVIRONMENTAL ATTRIBUTE CODE |
|------|---|------------------------------|

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDGE*; ENACDHL\$\$DGE*)

| <u>REPLY CODE</u> | <u>REPLY (EN02)</u> |
|-----------------------|--|
| LQ | ENERGY EFFICIENT – ENERGY STAR – LIGHTING -LIGHT BULBS (CFLS) |

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|-----|--------------|--|
| | | DC | ENERGY EFFICIENT – ENERGY STAR – LIGHTING - LIGHT FIXTURES |
| | | GD | ENERGY EFFICIENT – ENERGY STAR – OTHER COMMERCIAL PRODUCTS - EXIT SIGNS |
| | | DF | ENERGY EFFICIENT – ENERGY STAR – OTHERCOMMERCIAL PRODUCTS – LED LIGHTING |
| | | HL | ENERGY EFFICIENT - FEMP - LIGHTING – COMPACT FLUORESCENT LAMPS |
| | | HK | ENERGY EFFICIENT - FEMP - LIGHTING – DOWNLIGHT LUMINAIRES |
| | | GN | ENERGY EFFICIENT - FEMP - LIGHTING – FLUORESCENT LUMINAIRES |
| | | GE | ENERGY EFFICIENT - FEMP - LIGHTING – FLUORESCENT TUBE LAMPS |
| | | HJ | ENERGY EFFICIENT - FEMP - LIGHTING – INDUSTRIAL H.I.D. LUMINAIRES |
| | | NR | REVIEWED - DOES NOT MEET SOME ENAC CRITERIA |

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|--|-----|--------------|--------------|
| Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM. | | | |
| Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFCY*) | | | |

REPLY CODE
CY

REPLY (AD05)
HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY
CODE
A

REPLY (AN58)
ADDITIONAL DESCRIPTIVE DATA ON MANUAL
RECORD

SECTION III

| APP Key | MRC | Mode Code | Requirements |
|--|------|-----------|----------------|
| ALL | | | |
| | AFJT | D | LIGHT FUNCTION |
| Definition: THE FUNCTION OF A LIGHT DESIGNED TO INDICATE THE POSITION, MOTION, HAZARDS, AND THE LIKE, OR TO DRAW ATTENTION. | | | |
| Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., AFJTDAC*; AFJTDAM\$\$DBB*) | | | |

ALL

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SECTION I

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|
|-----|-----|-----------|--------------|

| | | |
|------|---|---------------|
| CBME | J | CUBIC MEASURE |
|------|---|---------------|

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CBMEJCN48.000*; CBMEJCC786.7*)

REPLY CODE

CC
CD
CF
CN
CM

REPLY (AN76)

CUBIC CENTIMETERS
CUBIC DECIMETERS
CUBIC FEET
CUBIC INCHES
CUBIC METERS

ALL

| | | |
|------|---|------------------|
| AFJN | D | FRAGILITY FACTOR |
|------|---|------------------|

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED. A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDD*)

REPLY CODE

D
B
E
F
G
C

REPLY (AD40)

DELICATE
EXTREMELY FRAGILE
MODERATELY DELICATE
MODERATELY RUGGED
RUGGED
VERY DELICATE

ALL

| | | |
|------|---|-------------------|
| PRMT | D | PRECIOUS MATERIAL |
|------|---|-------------------|

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

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SECTION I

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|
|-----|-----|-----------|--------------|

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000\$\$DAGA000*; PRMTDAGA000\$DAUA000*)

REPLY CODE

AUA000
IRA000
AZA000
PDA000
PTA000
RHA000
RTA000
AGA000

REPLY (MA01)

GOLD
IRIDIUM
OSMIUM
PALLADIUM
PLATINUM
RHODIUM
RUTHENIUM
SILVER

ALL

| PMWT | J | PRECIOUS MATERIAL AND WEIGHT |
|------|---|------------------------------|
|------|---|------------------------------|

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., PMWTJAGA000F0.005*; PMWTJAUA000F0.500\$\$JAGA000R0.780*)

Table 1

REPLY CODE

AUA000
IRA000
AZA000
PDA000
PTA000
RHA000
RTA000
AGA000

REPLY (MA01)

GOLD
IRIDIUM
OSIMUM
PALLADIUM
PLATINUM
RHODIUM
RUTHENIUM
SILVER

Table 2

REPLY CODE

E
R
F

REPLY (AG14)

GRAINS, TROY
GRAMS
OUNCES, TROY

ALL

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SECTION I

APP

Key MRC Mode Code Requirements

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAGA000TERMINAL;
PMLCJAUA000TERMINALS\$\$JAGA000INTERNAL SURFACES*;
PMLCJAGA000TERMINALS\$JAUA000INTERNAL SURFACES*)

REPLY CODE

AUA000
IRA000
AZA000
PDA000
PTA000
RHA000
RTA000
AGA000

REPLY (MA01)

GOLD
IRIDIUM
OSMIUM
PALLADIUM
PLATINUM
RHODIUM
RUTHENIUM
SILVER

ALL

BHMT J MAGNETIC FORCE

Definition: THE MAGNETIC FORCE MEASURED AT A SPECIFIED DISTANCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BHMTJADKAD1.0*)

Table 1

REPLY CODE

ADK
AGN
AGP
AGJ
AHM

REPLY (AK09)

GAUSS
KILOGAUSS
MEGAGAUSS
MILLIGAUSS
TESLA

Table 2

REPLY CODE

AJ
AD
AE

REPLY (AK70)

AT ZERO POINT
AT 7 FEET
AT 15 FEET

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SECTION I

| APP Key | MRC | Mode Code | Requirements |
|------------|---|-----------|--|
| ALL | | | |
| | ZZZP | J | PURCHASE DESCRIPTION IDENTIFICATION |
| | Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY. | | |
| | Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document. | | |
| | (e.g., ZZZPJ81A37-30624A*) | | |
| ALL | | | |
| | ZZZV | G | FSC APPLICATION DATA |
| | Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY. | | |
| | Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFLIGHT CONTROL SYSTEM*) | | |
| ALL | | | |
| | AGAV | G | END ITEM IDENTIFICATION |
| | Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART. | | |
| | Reply Instructions: Enter the reply in clear text. | | |
| | (e.g., AGAVG3930-00-000-0000*; | | |
| | AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*) | | |
| ALL | | | |
| | CXCY | G | PART NAME ASSIGNED BY CONTROLLING AGENCY |
| | Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM. | | |

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SECTION I

APP

| Key | MRC | Mode Code | Requirements |
|-----|-----|-----------|--------------|
|-----|-----|-----------|--------------|

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

ALL

| | | |
|------|---|----------------------|
| HZRD | D | HAZARDOUS SUBSTANCES |
|------|---|----------------------|

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ052*; HZRDDHAZ052\$\$DHAZ008*)

REPLY CODE

HAZ008

HAZ011

HAZ052

REPLY (HZ00)

CADMIUM

CHROMIUM

ZINC

Reply Tables

| | |
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Table 1 - MATERIALS
MATERIALS

| <u>REPLY CODE</u> | <u>REPLY (MA01)</u> |
|-------------------|--------------------------------|
| ALA000 | ALUMINUM |
| ALB000 | ALUMINUM ALLOY |
| AL6061 | ALUMINUM ALLOY 6061 |
| | Brass (use Reply Code CUB000) |
| | Bronze (use Reply Code CUB000) |
| CLD000 | CERAMIC |
| CUA000 | COPPER |
| CUB000 | COPPER ALLOY |
| GSA000 | GLASS |
| GSB000 | GLASS FIBER |
| FEA000 | IRON |
| FEF000 | IRON ALLOY |
| LRA000 | LEATHER |
| | Metal (use Specific Material) |
| NLA000 | NICKEL |
| FBB000 | NYLON |
| PCA000 | PLASTIC |
| PCBL00 | PLASTIC ABS |

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APPENDIX A

| <u>REPLY CODE</u> | <u>REPLY (MA01)</u> |
|-------------------|---|
| PCD000 | PLASTIC ACRYLIC |
| PCE000 | PLASTIC ALKYD |
| PCM000 | PLASTIC PHENOL-FORMALDEHYDE |
| PCR000 | PLASTIC POLYCARBONATE |
| PCAJ00 | PLASTIC POLYVINYL CHLORIDE |
| CLB000 | PORCELAIN |
| FBD000 | RAYON |
| RCD000 | RUBBER CHLOROPRENE |
| RCA000 | RUBBER NATURAL |
| RCB000 | RUBBER SYNTHETIC |
| STA000 | STEEL |
| STB000 | STEEL CORROSION RESISTING |
| | Steel Stainless (use Reply Code STB000) |
| TTB000 | TITANIUM |
| WDC000 | WOOD |
| ZNB000 | ZINC |
| ZNA000 | ZINC ALLOY |

Table 2 - SURFACE TREATMENTS
SURFACE TREATMENTS

| <u>REPLY CODE</u> | <u>REPLY (SF01)</u> |
|-------------------|---------------------------------------|
| ALB000 | ALUMINUM |
| ANA000 | ANODIZE |
| CDA000 | CADMIUM |
| CMA000 | CHROMATE |
| CMB000 | CHROMATE ZINC |
| CRA000 | CHROMIUM |
| CPA000 | COMPOUND GLAZE |
| CUB000 | COPPER ALLOY |
| ENA000 | ENAMEL |
| END000 | ENAMEL BAKED |
| CLD000 | ENAMEL PORCELAIN |
| MSD000 | EPOXY |
| LQA000 | LACQUER |
| NLA000 | NICKEL |
| | Nickel Silver (use Reply Code CUB000) |
| XXB000 | OXIDE |
| PNA000 | PAINT |
| PNC000 | PAINT ALUMINUM |
| PSA000 | PASSIVATE |
| PCH000 | PLASTIC VINYL |
| CLC000 | PORCELAIN |
| PRA000 | PRIMER |
| VAA000 | VARNISH |
| ZNA000 | ZINC |

Table 3 - COLORS

COLORS

| <u>REPLY CODE</u> | <u>REPLY (AD06)</u> |
|-------------------|---|
| AM0000 | AMBER |
| BL0000 | BLACK |
| BL0004 | BLACK, OPAQUE |
| BU0000 | BLUE |
| BU0001 | BLUE AVIATION, MIL-C-25050, TYPE 1 |
| BU0002 | BLUE, DAYLIGHT |
| BU0055 | BLUE GREEN |
| | Clear (use Reply Code CL0001) |
| CL0001 | COLORLESS |
| CR0000 | CREAM |
| MS0001 | DAYLIGHT |
| GY0000 | GRAY |
| GR0000 | GREEN |
| GR0069 | GREEN, AVIATION |
| GR0001 | GREEN, AVIATION, MIL-C-25050, TYPE 1 |
| GR0153 | GREEN-YELLOW, TENNESSEE EASTMAN COMPANY, 14686 |
| NR0000 | INFRARED |
| NE0000 | NEUTRAL |
| RG0000 | ORANGE |
| PK0000 | PINK |
| RE0000 | RED |
| RE0081 | RED, AVIATION |
| RE0002 | RED, AVIATION, MIL-C-25050, TYPE 1 |
| RE0003 | RED, IDENTIFICATION, MIL-C-25050, TYPE 2 |
| RE0004 | RED, INSTRUMENT AND PANEL LIGHTING, MIL-C-25050, TYPE 1 |
| WH0000 | WHITE |
| WH0061 | WHITE, AVIATION |
| WH0002 | WHITE, AVIATION, MIL-C-25050, TYPE 1 |
| WH0003 | WHITE, CHALK |
| WH0004 | WHITE, LUNAR |
| WH0001 | WHITE, LUNAR IDENTIFICATION, MIL-C-25050, TYPE 2 |
| WH0062 | WHITE, ROHM AND HAAS, 122125 |
| WH0012 | WHITE, TRANSLUCENT |
| YE0000 | YELLOW |
| YE0094 | YELLOW, AVIATION |
| YE0002 | YELLOW, AVIATION, MIL-C-25050, TYPE 1 |

Table 4 - LENS SURFACE CONDITIONS

LENS SURFACE CONDITIONS

| <u>REPLY CODE</u> | <u>REPLY (AN72)</u> |
|-------------------|---------------------|
| AE | ACID ETCHED |
| AS | ASYMMETRICAL |
| CC | CONCENTRIC RINGS |

| <u>REPLY CODE</u> | <u>REPLY (AN72)</u> |
|-------------------|----------------------------|
| CH | CROSS HATCHED |
| DG | DIVERGENCE |
| EC | ETCHED |
| FS | FACETED |
| FL | FLUTED |
| FZ | FRESNEL |
| FR | FROSTED |
| GD | GROOVED (serrated, ribbed) |
| HM | HAMMERED |
| HC | HONEYCOMB |
| MT | MATTED |
| LS | OPALESCENT |
| PB | PEBBLED |
| PM | PRISMATIC |
| RB | RIBBED |
| SM | SMOOTH |
| SD | STIPPLED |
| SY | SYMMETRICAL |

Table 5 - MOUNTING METHODS
MOUNTING METHODS

| <u>REPLY CODE</u> | <u>REPLY (AM39)</u> |
|-------------------|---------------------|
| AEA | ANGLE BRACKET |
| BWL | BALL AND SOCKET |
| BFA | BALL SOCKET |
| ABB | BASE |
| AAC | BOLT |
| BHE | BOLT HOLE |
| BFQ | BOLTED TO CEILING |
| ABC | BRACKET |
| BJY | BULKHEAD |
| ADP | BUTTON |
| ABF | CASE |
| BPR | CEILING |
| BPJ | CEILING CANOPY |
| AEH | CEILING SUSPENSION |
| ABH | CLAMP |
| AFL | CLIP |
| AEM | COMPRESSION |
| AFP | CONE |
| AFR | CORD |
| BRT | COUPLING SOCKET |
| BRR | CROSSARM |
| BRS | CROSSARM BRACKET |
| BJZ | DECK |
| BRW | EYEBOLT |

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| <u>REPLY CODE</u> | <u>REPLY (AM39)</u> |
|-------------------|---------------------------------|
| ACR | FLANGE |
| AGQ | FLUSH |
| BEP | FREE STANDING BASE |
| ABL | FRICTION |
| AFZ | GLAND NUT |
| AGB | HEADBAND |
| AGG | HOOK |
| AGJ | INTEGRAL THREADED NUT |
| BKF | ISOLATOR VIBRATION |
| AGK | LASHING EYE |
| AGL | LEG |
| ABN | LUG |
| AHN | MAGNETIC |
| BRX | MAST |
| BKX | OVERHEAD |
| ASL | PEDESTAL |
| AMS | PENDANT |
| AHP | PIPE (includes conduit) |
| AEE | PLATE |
| BEA | PORTABLE |
| BLE | POST |
| BRY | QUICK DISCONNECT COUPLING |
| BKT | RECESSED |
| AHT | RING |
| AHW | SAFETY PIN |
| ABW | SCREW |
| AHX | SECTIONAL STANDARD (telescopic) |
| ALF | SELF-LOCKING NUT |
| ALG | SHELF |
| BYD | SKIRT |
| AKC | SLEEVE |
| ABZ | SPACER |
| AER | SPRING |
| BYE | SPRING WASHER |
| AJL | STAKE |
| AJM | STAND |
| ACB | STRAP |
| AAE | STUD |
| AJS | SUPPORT ROD |
| AJT | SUSPENSION |
| BBL | SWIVEL BRACKET |
| AFA | THREADED BUSHING |
| AHF | THREADED HOLE |
| BPH | THREADED HUB |
| AET | THREADED STUD |
| AKF | TRIPOD |
| AKG | TRUNNION |
| ACQ | UNTHREADED HOLE |

| <u>REPLY CODE</u> | <u>REPLY (AM39)</u> |
|-------------------|---------------------|
| AKJ | VERTICAL ROD |
| ATS | WALL |
| BPF | WASHER |
| BYF | WEDGE |
| AKK | WELDED |

Table 6 - TERMINAL TYPES
TERMINAL TYPES

| <u>REPLY CODE</u> | <u>REPLY (AN89)</u> |
|-------------------|--|
| ADZ | BAR |
| AEQ | BAYONET PLUG, DOUBLE CONTACT |
| AER | BAYONET PLUG, SINGLE CONTACT |
| AEP | CABLE W/CONNECTOR |
| ADB | CLIP |
| AES | CLIP, COMPRESSION |
| AET | CLIP, COMPRESSION, FLAT SPRING |
| ACN | CONNECTOR, PLUG |
| AEW | CONNECTOR, PLUG, EXTERNAL, CURVED BLADE, 2 WIRE |
| AEX | CONNECTOR, PLUG, EXTERNAL, CURVED BLADE, 3 WIRE |
| AEY | CONNECTOR, PLUG, EXTERNAL, FLAT BLADE, 3 WIRE |
| AEZ | CONNECTOR, PLUG, EXTERNAL, RIGHT ANGLE T-BLADE |
| AFA | CONNECTOR, PLUG, EXTERNAL, STANDARD PARALLEL, 2 BLADE |
| AFB | CONNECTOR, PLUG, EXTERNAL, STANDARD TANDEM BLADE |
| AFC | CONNECTOR, PLUG, EXTERNAL, 3 CONTACTS, 1 CONTACT U-SHAPED FOR GROUND |
| AFD | CONNECTOR, PLUG, INTERNAL, TWISTLOCK, 2 CONTACTS |
| AFE | CONNECTOR, PLUG, INTERNAL, TWISTLOCK, 3 CONTACTS |
| AAF | CONNECTOR, RECEPTACLE |
| ALC | CONNECTOR WITH LEADS |
| AMC | GROUND WIRE |
| AMD | GROUNDING STRIP |
| AGF | LINE CORD |
| ADA | QUICK DISCONNECT, FEMALE |
| ACZ | QUICK DISCONNECT, MALE |
| ABQ | SCREW |
| ACY | SOCKET |
| AFF | SOLDER LUG |
| AAS | SOLDER STUD |
| ABB | TAB, SOLDER LUG |
| AFG | TEST PROD |
| ACC | WIRE LEAD |

Table 7 - ILLUMINATION DIRECTING TYPES
ILLUMINATION DIRECTING TYPES

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| <u>REPLY CODE</u> | <u>REPLY (AD54)</u> |
|-------------------|---|
| AA | BIDIRECTIONAL |
| AB | CAP |
| AC | COMBAT HOOD |
| AD | COVER |
| AE | CURVED LIGHT REFLECTOR |
| BL | DIFFUSER |
| AF | DIFFUSING COVER GLASS |
| AG | EXTERNAL REFLECTOR |
| AH | EXTERNAL SHIELD |
| AJ | FINGER STYLE |
| AK | GLOBE |
| AL | HOOD |
| AM | INTERNAL REFLECTOR |
| AN | INTERNAL SHIELD |
| AP | LOUVER |
| AQ | OMNIDIRECTIONAL |
| AR | OPAL GLASS AND SHUTTER |
| AS | SHADE |
| | Shade and Shield (use Reply Code AS and BP) |
| BP | SHIELD |
| AU | STRAIGHT LIGHT CONDUCTOR |
| AV | UNIDIRECTIONAL |
| AW | WINDOW |

Table 8 - LIGHT FUNCTIONS
LIGHT FUNCTIONS

| <u>REPLY CODE</u> | <u>REPLY (AD72)</u> |
|-------------------|---|
| AB | ANCHOR |
| AC | ANTICOLLISION |
| BA | BACKUP |
| AD | BLACKOUT TAIL AND STOP COMBINATION |
| AE | BOOM |
| AZ | BOW |
| BE | BOW AND STERN |
| AF | BREAKDOWN |
| BJ | COMBINATION, TAIL-STOP-DIRECTION |
| BF | COMBINATION, TAIL-STOP, DIRECTION-BACKUP |
| BG | COMBINATION, TAIL-STOP-DIRECTION-BACKUP-LICENSE PLATE |
| BH | COMBINATION, TAIL-STOP, DIRECTION-LICENSE PLATE |
| BB | DIRECTIONAL SIGNAL |
| AG | FORMATION |
| BK | FORMATION-TOWING |
| AH | FUSELAGE |
| AJ | GENERAL SERVICE TAIL AND LICENSE PLATE ILLUMINATION |
| | COMBINATION |

| <u>REPLY CODE</u> | <u>REPLY (AD72)</u> |
|-----------------------|---|
| AL | GENERAL SERVICE TAIL AND STOP AND BLACKOUT STOP COMBINATION |
| AN | GENERAL SERVICE TAIL AND STOP AND BLACKOUT TAIL COMBINATION |
| AM | GENERAL SERVICE TAIL AND STOP AND LICENSE PLATE ILLUMINATION COMBINATION |
| AK | GENERAL SERVICE TAIL AND STOP COMBINATION |
| BL | LICENSE PLATE |
| AP | MASTHEAD |
| AQ | PASSING |
| AR | POSITION |
| AS | RANGE |
| AT | SIDE |
| BM | SIGNAL |
| AU | STERN |
| AV | TAIL |
| AW | TOWING |
| AX | WING TIP CLEARANCE |

Table 9 - LIGHT ADJUSTMENT METHODS
LIGHT ADJUSTMENT METHODS

| <u>REPLY CODE</u> | <u>REPLY (AD58)</u> |
|-------------------|-------------------------------|
| BW | BALL |
| BX | BRACKET |
| BY | DOUBLE SWIVEL SHANK |
| AC | FLEXIBLE CORD/GOOSENECK SHAFT |
| BZ | FLEXIBLE GOOSENECK |
| AD | FLEXIBLE GOOSENECK ARM |
| AF | FLOATING ARM |
| CA | HANDLE |
| AG | HORIZONTAL ARM |
| CB | NUT |
| AJ | PIVOT |
| AK | POINT |
| AL | RIGID SECTIONAL ARM |
| CC | ROLLER |
| AN | SLIDING CROSSARM |
| CD | SOCKET |
| CE | STUD |
| AQ | SWIVEL ARM |
| AR | SWIVEL JOINT |
| AS | SWIVEL TILT |
| BF | TELESCOPIC |
| AU | TILTING ARM |
| CF | TRACK |
| AV | TURNBUCKLE |
| AW | U BOLT BRACKET |

| | |
|-------------------|---------------------|
| <u>REPLY CODE</u> | <u>REPLY (AD58)</u> |
| CG | YOKE |

Table 10 - HAZARDOUS LOCATIONS/ENVIRONMENTAL PROTECTIONS
HAZARDOUS LOCATIONS/ENVIRONMENTAL PROTECTIONS

| | |
|-------------------|---|
| <u>REPLY CODE</u> | <u>REPLY (AB27)</u> |
| AA | ACID RESISTANT |
| DJ | CORROSION RESISTANT |
| FS | DRIPTIGHT |
| AC | DRIPTIGHT-NEMA TYPE 2 |
| CF | DUSTPROOF |
| AD | DUSTPROOF-NEMA TYPE 13 |
| DY | DUSTTIGHT |
| AE | DUSTTIGHT-NEMA TYPE 5 |
| FC | ELECTROMAGNETIC RADIATION SUPPRESSIVE |
| CE | EXPLOSION PROOF |
| AF | EXPLOSION PROOF NEC CL.I, GP.ABCD;CL.II,GP.EFG;CL.III |
| AJ | EXPLOSION PROOF NEC CL.I, GP.CD;CL.II,GP.EFG;CL.III |
| AK | EXPLOSION PROOF NEC CL.I, GP.D;CL.II,GP.EFG;CL.III |
| GH | EXPLOSION PROOF NEC CL.II, GP.EFG |
| AN | EXPLOSION PROOF NEC CL.II, GP.EFG;CL.III |
| GP | EXPLOSION PROOF, TEMPERATURE CLASS T1 DIN 57165 |
| GQ | EXPLOSION PROOF, TEMPERATURE CLASS T2 DIN 57165 |
| GR | EXPLOSION PROOF, TEMPERATURE CLASS T3 DIN 57165 |
| GS | EXPLOSION PROOF, TEMPERATURE CLASS T4 DIN 57165 |
| GT | EXPLOSION PROOF, TEMPERATURE CLASS T5 DIN 57165 |
| GU | EXPLOSION PROOF, TEMPERATURE CLASS T6 DIN 57165 |
| FE | FIREPROOF |
| DN | FLAME RESISTANT |
| GF | FLAMEPROOF |
| DP | FUEL RESISTANT |
| AP | GENERAL PURPOSE-NEMA TYPE 1 |
| DR | HEAT RESISTANT |
| DV | MOISTURE PROOF |
| BR | MOISTURE RESISTANT |
| CJ | OILTIGHT |
| AQ | OILTIGHT-NEMA TYPE II |
| EL | PRESSURE PROOF |
| BL | RADIO FREQUENCY INTERFERENCE |
| EM | RAINTIGHT |
| AR | RAINTIGHT-NEMA TYPE 3R |
| GC | SALT SPRAY PROOF |
| DT | SALT WATER RESISTANT |
| EP | SHOCK RESISTANT |
| BT | SPLASH PROOF |
| CL | SPRAYTIGHT |
| DZ | SUBMERSIBLE |

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| <u>REPLY CODE</u> | <u>REPLY (AB27)</u> |
|-------------------|--------------------------|
| AS | SUBMERSIBLE-NEMA TYPE 6 |
| ES | VAPORTIGHT |
| AT | VAPORTIGHT, GASTIGHT |
| FM | VIBRATION PROOF |
| GB | VIBRATION RESISTANT |
| CN | WATERTIGHT |
| AU | WATERTIGHT, NEMA TYPE 4 |
| DX | WEATHERPROOF |
| AV | WEATHERPROOF-NEMA TYPE 3 |

Table 11 - LAMP BASE TYPES

NOTE: TO DETERMINE BASE TYPE, SEE APPENDIX B, REFERENCE DRAWING GROUP B.

LAMP BASE TYPES

| <u>REPLY CODE</u> | <u>REPLY (AD36)</u> |
|-------------------|--|
| AA | ADMEDIUM SCREW |
| AB | ADMEDIUM SCREW SKIRTED |
| BP # | BA21D |
| GU # | BA22S |
| AE | BRASS FERRULE |
| FT # | B15D |
| FU # | B22 |
| FV # | B22D |
| NZ | B42T |
| AF | CANDELABRA SCREW |
| PD | CYLINDRICAL (Candle) |
| AP | DOUBLE CONTACT BAYONET CANDELABRA |
| AQ | DOUBLE CONTACT BAYONET CANDELABRA EXPORT |
| AR | DOUBLE CONTACT BAYONET CANDELABRA INDEXING |
| AT | DOUBLE CONTACT BAYONET PINLESS |
| AU | DOUBLE CONTACT CANDELABRA PREFOCUS |
| AW | DOUBLE CONTACT MEDIUM RING |
| AX | DOUBLE CONTACT MINIATURE FLANGED |
| GV # | E10 |
| JF # | E14 |
| KR # | E17 |
| KS # | E26D |
| LE # | E27(ES) |
| HU # | E40 |
| BD | FLEXIBLE WIRE LEADS |
| BE | FOUR PIN CIRCLINE (fluorescent) |
| PB | G5 |
| PC | G13 |
| BL | INTERMEDIATE SCREW |
| BM | INTERMEDIATE SCREW EXPORT |

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| <u>REPLY CODE</u> | <u>REPLY (AD36)</u> |
|-------------------|--|
| BN | KNURLED SCREW (kollsman) |
| BS | MEDIUM BIPIN (fluorescent T-8, T-12) |
| BT | MEDIUM BIPOST |
| BU | MEDIUM PREFOCUS |
| BV | MEDIUM SCREW |
| BW | MEDIUM SCREW EXPORT |
| BX | MEDIUM SCREW SKIRTED |
| BY | MEDIUM SIDE PRONG |
| BZ | METAL SLEEVE WITH FLEXIBLE WIRE LEADS |
| CA | MIDGET FLANGED |
| CC | MIDGET SCREW |
| CD | MINIATURE BAYONET |
| CE | MINIATURE BAYONET PINLESS |
| CG | MINIATURE BIPIN (fluorescent T-5, T-12) |
| CL | MINIATURE PINLESS (T-5, aircraft) |
| CM | MINIATURE SCREW |
| CN | MINIATURE TWO PIN |
| CP | MOGUL BIPIN (fluorescent T-12, T-17) |
| CQ | MOGUL BIPOST |
| CR | MOGUL END PRONG |
| CS | MOGUL END PRONG WITH CERAMIC BLOCK |
| CT | MOGUL PREFOCUS |
| CU | MOGUL SCREW |
| CV | MOGUL SCREW EXPORT |
| CZ | OVAL SMALL FOUR PIN (germicide) |
| HV # | P28S |
| DB | RECESSED DOUBLE CONTACT (fluorescent) |
| DC | RECESSED SINGLE CONTACT |
| KY # | R7S |
| DE | SINGLE CONTACT BAYONET CANDELABRA |
| DF | SINGLE CONTACT BAYONET CANDELABRA EXPORT |
| DG | SINGLE CONTACT BAYONET CANDELABRA INDEXING |
| FH | SINGLE CONTACT BAYONET PINLESS |
| DJ | SINGLE CONTACT CANDELABRA PINLESS |
| DK | SINGLE CONTACT CANDELABRA PREFOCUS |
| DM | SINGLE CONTACT MINIATURE FLANGED |
| FF | SINGLE PIN (slimline fluorescent) |
| DQ | SPADE SINGLE CONTACT TERMINAL |
| DU | SPECIAL NO. 10-64 THREAD |
| EF | TELEPHONE SLIDE NO. TWO |
| EG | TELEPHONE SLIDE SPECIAL |
| EH | THREE CONTACT LUGS |
| EJ | THREE CONTACT MEDIUM BAYONET |
| EK | THREE CONTACT MEDIUM SCREW |
| EL | THREE CONTACT MOGUL SCREW |
| EM | THREE PRONG-TWO PRONG (fluorescent) |
| EN | THREE SCREW TERMINALS |
| EQ | THREE WIRE LEADS |

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| <u>REPLY CODE</u> | <u>REPLY (AD36)</u> |
|-------------------|--------------------------------------|
| ER | TWO CONTACT LUGS |
| ES | TWO SCREW TERMINALS |
| EU | UNTHREADED CYLINDER W/SCREW TERMINAL |
| EW | WEDGE |
| EX | WIRE TERMINALS, DOWN |
| PA | 2G13 |

Table 12 - FEATURES PROVIDED
FEATURES PROVIDED

| <u>REPLY CODE</u> | <u>REPLY (AN47)</u> |
|-------------------|--|
| AHT | ADJUSTABLE LIGHT BEAM SPREAD |
| AHW | ADJUSTABLE MICROSCOPE NOSEPIECE |
| AHX | ADJUSTABLE SLIT |
| ACY | AMMETER |
| AHY | AUTOMATIC LAMP CHANGER |
| AHZ | AUTOMATIC SWITCHING RELAY |
| AJA | AUTOMATIC VOLTAGE SELECTOR |
| AJB | BLACKOUT DEGREE, COMPLETE |
| AJC | BLACKOUT DEGREE, PARTIAL |
| CYH | BOTTOM FIXATION (MOUNTING UNDER BUMPER) |
| AJD | CURRENT REGULATOR CIRCUIT |
| BER | DETACHABLE |
| AJE | DIMMING DEVICE |
| AJF | EMERGENCY POWER SUPPLY |
| AFR | FERRULE |
| CRH | FLOODLIGHT |
| BES | HEAT DISSIPATING |
| AMW | HORIZONTAL SURFACE |
| CVD | HOUSING |
| BGR | INDICATOR LIGHT |
| AJG | INTEGRAL TIMING ADVANCE INDICATOR AND TACHOMETER |
| CYJ | INTERFERENCE SUPPRESSION |
| CYK | LEFT FIXATION (LEFT-SIDE OF VEHICLE) |
| CJD | LICENSE PLATE ILLUMINATION |
| AJH | LIGHT ADJUSTMENT LOCKING DEVICE |
| AJJ | MANUAL VOLTAGE SELECTOR |
| ARA | MOUNTING BRACKET |
| AJK | NONTURN FEATURE |
| CYL | OVERHEAD FIXATION (MOUNTING ON BUMPER) |
| ALK | PANEL BACK MOUNTING |
| ALH | PANEL FRONT MOUNTING |
| CFY | PORTABLE |
| AEG | PRESS TO TEST |
| AJL | PUSH BUTTON TRIGGER |
| AJM | RECHARGEABLE BATTERY |
| AJN | REFLECTIVE LENS |

| <u>REPLY CODE</u> | <u>REPLY (AN47)</u> |
|-------------------|--|
| AJP | REMOVABLE LIGHT FILTER |
| AJQ | REMOVABLE TOP W/SHIELD |
| AJR | REPLACEABLE BATTERY |
| AJS | RETRACTABLE LIGHT |
| AJT | RETRACTABLE REEL |
| BWW | REVERSIBLE |
| AJW | REVOLVING DISC COLOR STANDARD HOLDER |
| CYM | RIGHT FIXATION (RIGHT SIDE OF VEHICLE) |
| FNY | ROHS DIRECTIVE COMPLIANCE |
| CNU | SHOCK ABSORBER |
| ACJ | SPOTLIGHT |
| AAQ | SWITCH |
| ABM | TERMINAL COVERS |
| CRJ | TEST SWITCH |
| CYN | TIME CLOCK |
| AJX | TRANSFORMER |
| ALJ | VERTICAL SURFACE |
| ADH | VOLTMETER |
| CVE | WATERTIGHT SEAL |
| AJY | X-RAY FILM ILLUMINATOR |

Table 13 - LENS TYPES

NOTE: TO DETERMINE LENS TYPE, SEE APPENDIX B, REFERENCE DRAWING GROUP C.

LENS TYPES

| <u>REPLY CODE</u> | <u>REPLY (AP19)</u> |
|-------------------|------------------------------------|
| AB | CONICAL |
| AH | CONVEX, SEMI-DOME |
| AM | CONVEX, STRAIGHT SIDE, SEMI-DOME |
| AN | CONVEXO CONCAVE |
| AP | CYLINDRICAL |
| AS | CYLINDRICAL, FLUTED, LONG |
| AT | CYLINDRICAL, FLUTED, SHORT |
| AY | DOME, FOUR EARS |
| AZ | DOME, HALF, FLANGED |
| BB | DOME, KNURLED, INTERNAL THREAD |
| BC | DOME, NOTCHED |
| BD | DOME, PLAIN |
| BE | DOME, SMALL |
| BF | DOME, TAPERED |
| BG | FLAT, ANGULAR |
| BH | FLAT, BUBBLE, CENTER-IN-LINE HOLES |
| BJ | FLAT, CENTER-IN-LINE HOLES |
| BN | FLAT, KNURLED |
| BR | FLAT, NARROW |

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| <u>REPLY CODE</u> | <u>REPLY (AP19)</u> |
|-------------------|---|
| BS | FLAT, NOTCHED |
| BT | FLAT, OFF CENTER-IN-LINE HOLES |
| BX | FLAT, RECTANGULAR |
| BY | FLAT, RECTANGULAR, FRAMED |
| BZ | FLAT, RECTANGULAR, V GROOVES ON INSIDE FOUR WALLS |
| CA | FLAT, RECTANGULAR W/HOLES |
| CB | FLAT, ROUND |
| CE | FLAT, SQUARE |
| CF | FLAT, SQUARED OVAL |
| CJ | PLANO CONVEX |
| CK | RECTANGULAR |
| CM | ROUND, SHOULDERED |
| CP | STOVEPIPE, ELONGATED, EXTERNAL THREAD |
| CQ | STOVEPIPE, EXTERNAL THREAD |
| CR | STOVEPIPE, FLANGED |
| CX | STOVEPIPE, PLAIN |
| CZ | TEARDROP, CENTER HOLE |
| DA | TEARDROP, FLANGED |
| DB | TEARDROP, PLAIN |
| DC | TEARDROP, TWO HOLES |
| DE | TUBULAR |

Table 14 - NONDEFINITIVE SPEC/STD DATA
NONDEFINITIVE SPEC/STD DATA

| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| AL | ALLOY |
| AN | ANNEX |
| AP | APPENDIX |
| AC | APPLICABILITY CLASS |
| AR | ARRANGEMENT |
| AS | ASSEMBLY |
| AB | ASSORTMENT |
| BX | BOX |
| CY | CAPACITY |
| CA | CASE |
| CT | CATEGORY |
| CL | CLASS |
| CE | CODE |
| CR | COLOR |
| CC | COMBINATION CODE |
| CN | COMPONENT |
| CP | COMPOSITION |
| CM | COMPOUND |
| CD | CONDITION |
| CS | CONSTRUCTION |
| DE | DESIGN |

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| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| DG | DESIGNATOR |
| DW | DRAWING NUMBER |
| EG | EDGE |
| EN | END |
| FY | FAMILY |
| FG | FIGURE |
| FN | FINISH |
| FM | FORM |
| FA | FORMULA |
| GR | GRADE |
| BA | IMAGE COLOR |
| NS | INSERT |
| TM | ITEM |
| KD | KIND |
| KT | KIT |
| LG | LENGTH |
| LT | LIMIT |
| MK | MARK |
| AA | MARKER |
| ML | MATERIAL |
| BB | MAXIMUM DENSITY |
| MH | MESH |
| ME | METHOD |
| BC | MINIMUM DENSITY |
| MD | MODEL |
| MT | MOUNTING |
| NR | NUMBER |
| PT | PART |
| PN | PATTERN |
| PC | PHYSICAL CONDITION |
| PS | PIECE |
| PL | PLAN |
| PR | POINT |
| QA | QUALITY |
| RN | RANGE |
| RT | RATING |
| RF | REFERENCE NUMBER |
| SC | SCHEDULE |
| SB | SECTION |
| SL | SELECTION |
| SE | SERIES |
| SV | SERVICE |
| SX | SET |
| SA | SHADE |
| SH | SHAPE |
| SG | SHEET |
| SZ | SIZE |
| PZ | SPECIES |

| <u>REPLY CODE</u> | <u>REPLY (AD08)</u> |
|-------------------|---------------------|
| SQ | SPECIFICATION SHEET |
| SD | SPEED |
| ST | STYLE |
| SS | SUBCLASS |
| SF | SUBFORM |
| SP | SUBTYPE |
| SN | SURFACE CONDITION |
| SY | SYMBOL |
| SM | SYSTEM |
| TB | TABLE |
| TN | TANNAGE |
| TP | TEMPER |
| TX | TEXTURE |
| TK | THICKNESS |
| TT | TREATMENT |
| TR | TRIM |
| TY | TYPE |
| YN | UNIT |
| VA | VARIETY |
| WT | WEIGHT |
| WD | WIDTH |

Table 15 - DESIGN PERIODS
DESIGN PERIODS

| <u>REPLY CODE</u> | <u>REPLY (AN07)</u> |
|-------------------|---------------------|
| AAB | CHARLES OF LONDON |
| AAC | CHIPPENDALE |
| AAD | COLONIAL |
| AAE | CONTEMPORARY |
| AAF | DANISH MODERN |
| AAG | DUNCAN PHYFE |
| AAH | EARLY AMERICAN |
| AAJ | FRENCH PROVINCIAL |
| AAK | HEPPLEWHITE |
| AAL | ITALIAN PROVINCIAL |
| AAM | LAWSON |
| AAN | MEDITERRANEAN |
| AAP | MODERN |
| AAQ | MODERN AMERICAN |
| AAR | RANCH |
| AAS | RENAISSANCE |
| AAT | SHERATON |
| AAW | TRADITIONAL |
| AAX | VICTORIAN |

Table 16 - SHAPES
SHAPES

| <u>REPLY CODE</u> | <u>REPLY (AD07)</u> |
|-------------------|---|
| ACD | CONICAL |
| ADQ | DIAMOND |
| AHL | HEXAGONAL |
| AJG | IRREGULAR (use for odd and special shaped lights) |
| ALC | OVAL |
| AND | RECTANGULAR (includes square) |
| BAK | RIGHT ANGLE |
| APL | ROUND |
| ATG | STRAIGHT |
| AWS | TAPERED |
| BJG | TEARDROP |
| AXP | TRIANGULAR (equilateral) |

Table 17 - FURNISHED ITEMS
FURNISHED ITEMS

| <u>REPLY CODE</u> | <u>REPLY (AB28)</u> |
|-------------------|-----------------------------|
| AHM | BATTERY |
| AGC | CARRYING CASE |
| AHR | CLEANING KIT |
| AHN | CLIP-ON MIRROR |
| ARR | DETACHABLE MOUNTING BRACKET |
| AHP | DIFFUSING COVER GLASS |
| AYT | DRIVE MOTOR |
| ARS | EYEPIECE |
| ARW | FLEXIBLE CORD W/PLUG |
| ARX | FUSE |
| AQF | HANDLE |
| ARY | HEAT ABSORBING GLOBE |
| AHQ | INSTRUCTION BOOKLET |
| ASA | LAMP |
| BKW | LAMPHOLDER |
| ASB | LOCALIZER |
| ASC | LOCKING DEVICE |
| BAE | MOUNTING KIT |
| ASD | PARFOCAL OBJECTIVE |
| ALZ | POWER CABLE |
| ASE | POWER TRANSFORMER |
| ASF | REFLECTING SHADE |
| ASG | REMOTE KEY |
| ASH | RETRACTING MOTOR |
| AHS | RIGHT ANGLE MIRROR |
| ASJ | SIGNALING TUBE (LOUVERED) |

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REPLY
CODE

REPLY (AB28)

| | |
|-----|---|
| AHT | SIGNALING WAND |
| BKX | SPARE BATTERY |
| BAR | SPARE PARTS KIT |
| ARZ | STERILIZABLE HANDLE |
| ABK | STORAGE BOX |
| AHX | TECHNICAL MANUAL |
| ASK | TELESCOPING STANDARD |
| BRG | TEST CERTIFICATE ISSUED BY THE GERMAN FEDERAL STANDARDS LABORATORY |
| AHL | TIMING LIGHT ADAPTER JACK |
| ART | ULTRAVIOLET FILTER |
| AHW | ULTRAVIOLET PROTECTION SPECTACLES |
| ASL | VARIABLE VOLTAGE CONTROL |
| ASM | WEATHERPROOF CASE |

Reference Drawing Groups

| | |
|---------------------------------|----|
| REFERENCE DRAWING GROUP A | 86 |
| REFERENCE DRAWING GROUP B | 90 |
| REFERENCE DRAWING GROUP C | 96 |

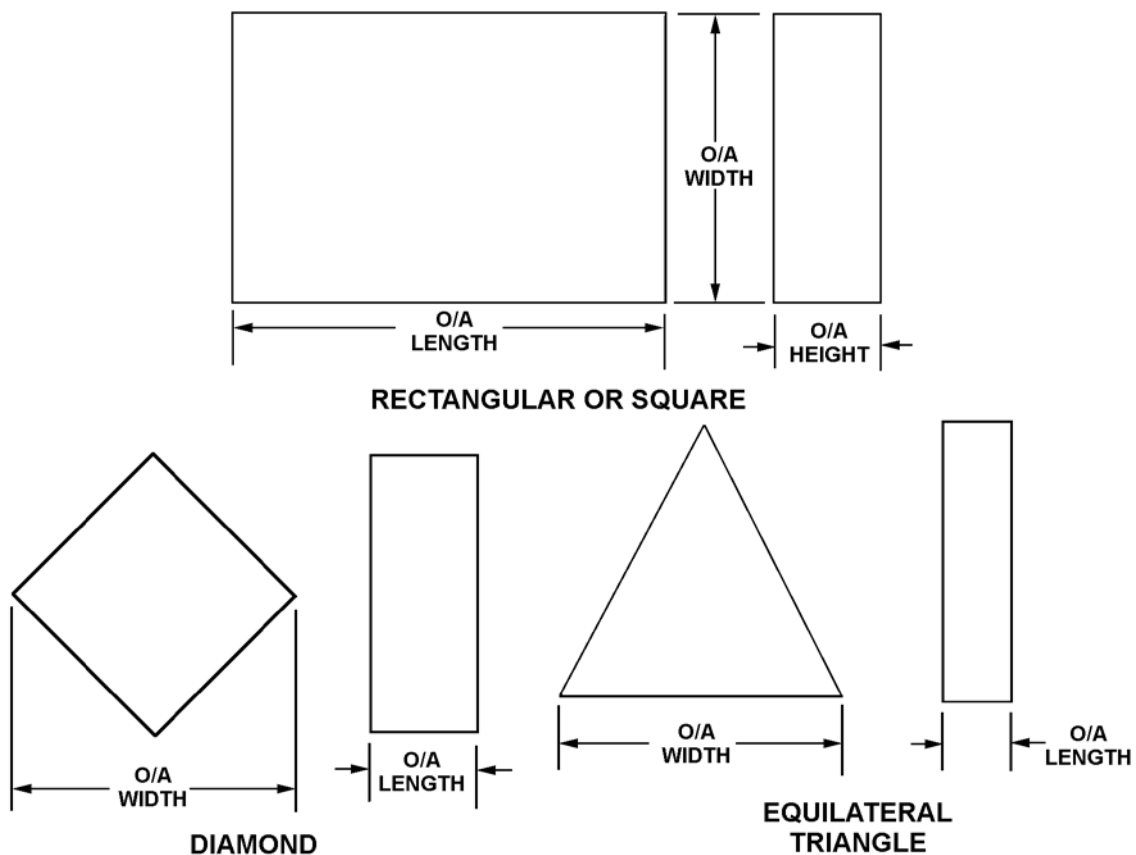
REFERENCE DRAWING GROUP A

LIGHTS, GENERAL PURPOSE

SHAPES

(No Requirements)

NOTES: FOR THE PURPOSE OF THESE ILLUSTRATIONS, WHERE "DEPTH" IS GIVEN ON THE SOURCE DOCUMENT, CONVERT TO "LENGTH". FOR IRREGULAR, ODD AND SPECIAL SHAPED LIGHT STYLES USE APPROPRIATE DIMENSIONS AS SHOWN ON SOURCE DOCUMENT.



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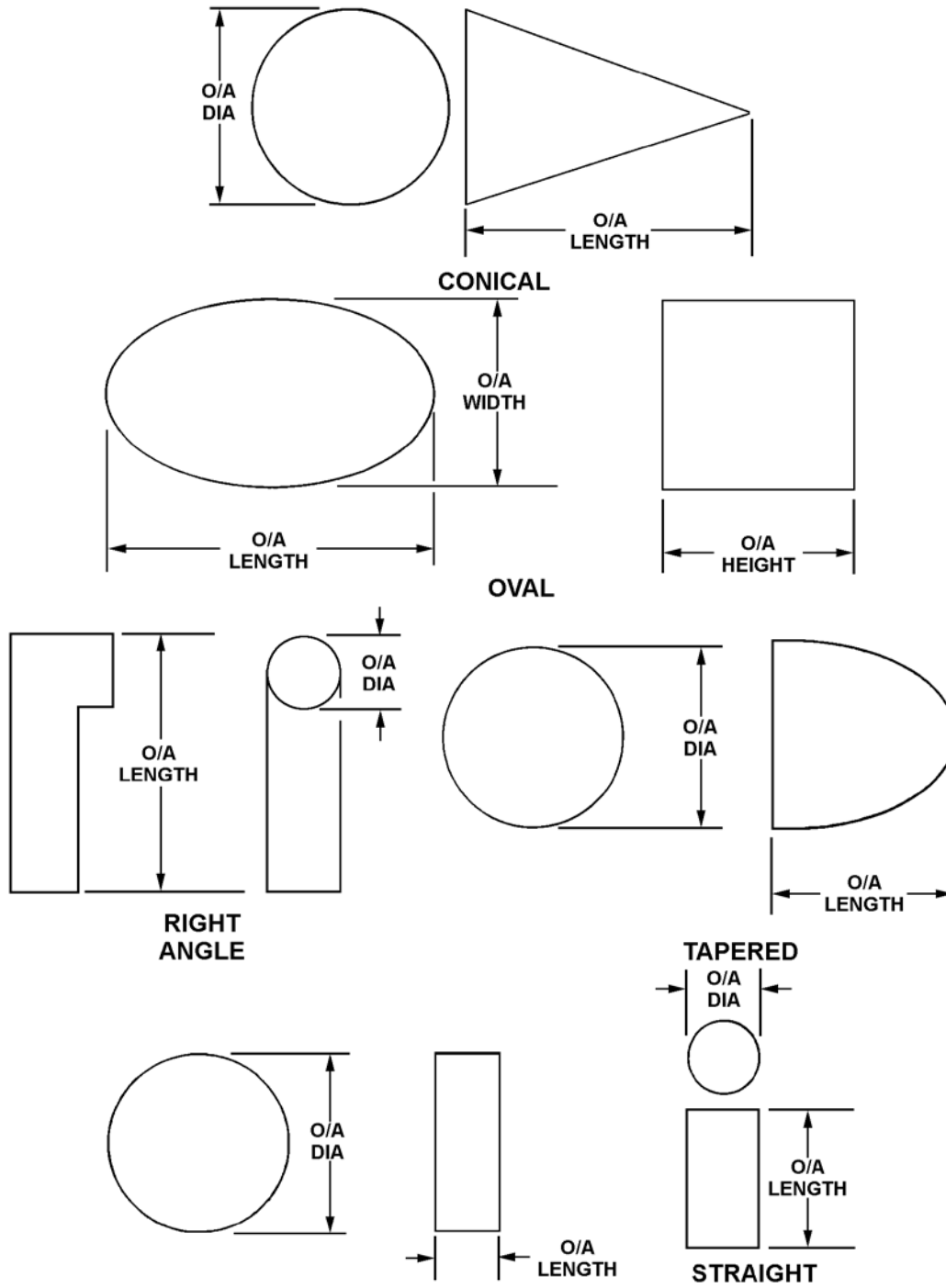
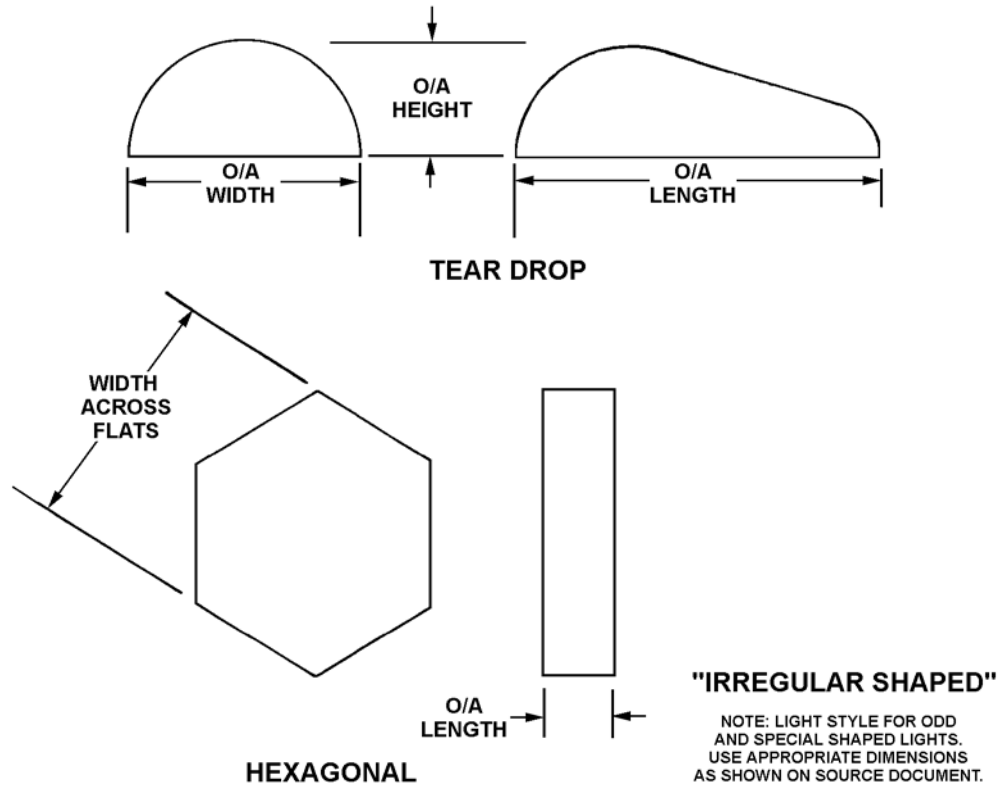


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APPENDIX B

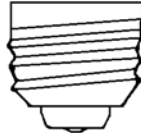


REFERENCE DRAWING GROUP B

LIGHTS, GENERAL PURPOSE

LAMP BASE TYPES

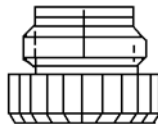
(No Requirements)



ADMEDIUM SCREW
CANDELABRA SCREW
INTERMEDIATE SCREW
INTERMEDIATE SCREW EXPORT
MEDIUM SCREW
MEDIUM SCREW EXPORT
MIDGET SCREW
MINIATURE SCREW
MOGUL SCREW
MOGUL SCREW EXPORT
E14 #
E17 #
E26D #
E27(ES) #



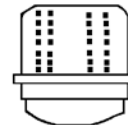
ADMEDIUM SCREW SKIRTED
MEDIUM SCREW SKIRTED



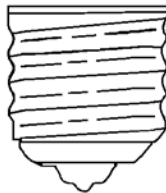
KNURLED SCREW (KOLLSMAN)



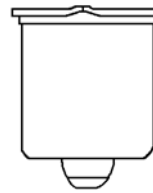
SPECIAL. NO. 10-64 THREAD



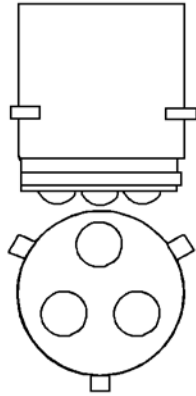
MIDGET FLANGED



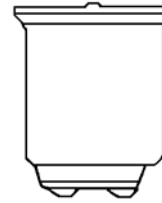
THREE CONTACT MEDIUM SCREW
THREE CONTACT MOGUL SCREW



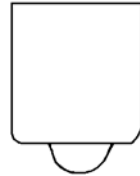
SINGLE CONTACT
MINIATURE FLANGED



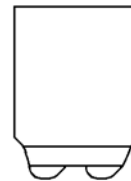
THREE CONTACT MEDIUM BAYONET



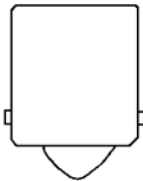
**DOUBLE CONTACT
MINIATURE FLANGED**



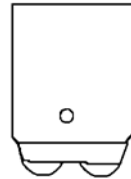
**MINIATURE BAYONET PINLESS
SINGLE CONTACT BAYONET PINLESS
SINGLE CONTACT CANDELABRA PINLESS**



**DOUBLE CONTACT
BAYONET PINLESS**

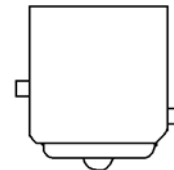


**MINIATURE BAYONET
SINGLE CONTACT
BAYONET CANDELABRA
SINGLE CONTACT BAYONET
CANDELABRA EXPORT**

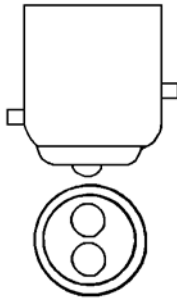


**DOUBLE CONTACT
BAYONET CANDELABRA**

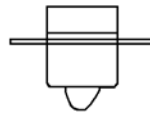
**DOUBLE CONTACT
BAYONET CANDELABRA
EXPORT**



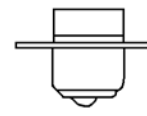
**SINGLE CONTACT
BAYONET CANDELABRA
INDEXING**



**DOUBLE CONTACT
BAYONET CANDELABRA
INDEXING**

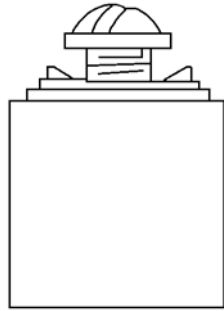


**SINGLE CONTACT
CANDELABRA PREFOCUS**

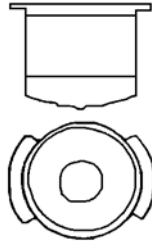


**DOUBLE CONTACT
CANDELABRA PREFOCUS**

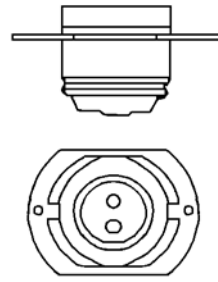
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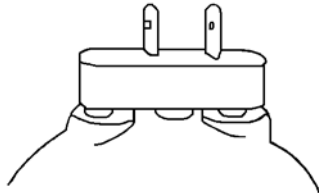
**UNTHREADED CYLINDER
WITH SCREW TERMINAL**



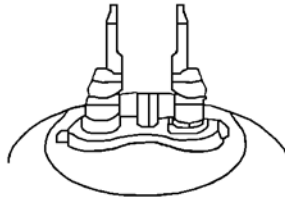
**MEDIUM PREFOCUS
MOGUL PREFOCUS**



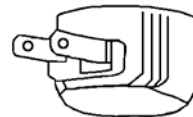
**DOUBLE CONTACT
MEDIUM RING**



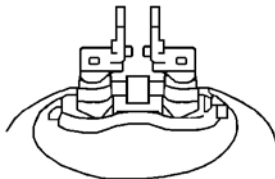
**MOGUL END PRONG
WITH CERAMIC BLOCK**



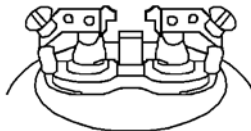
MOGUL END PRONG



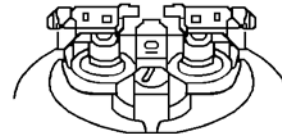
MEDIUM SIDE PRONG



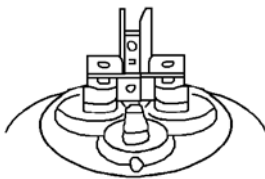
TWO CONTACT LUG



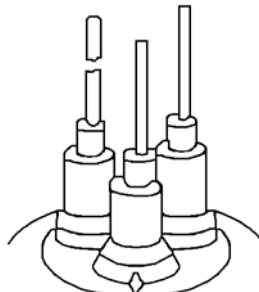
TWO SCREW TERMINALS



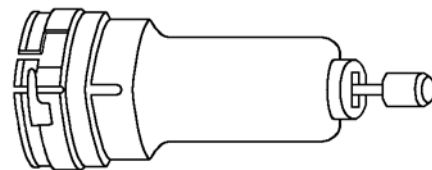
THREE SCREW TERMINALS



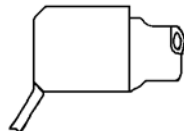
THREE CONTACT LUGS



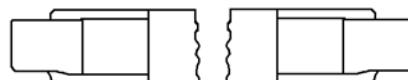
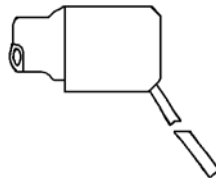
THREE WIRE LEADS



SPADE SINGLE CONTACT TERMINAL



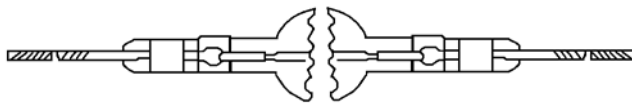
**METAL SLEEVE WITH
FLEXIBLE WIRE LEADS**



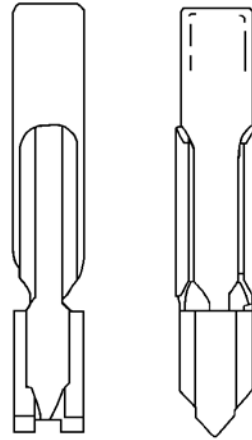
RECESSED SINGLE CONTACT



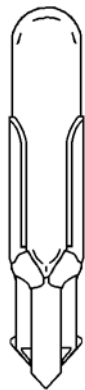
BRASS FERRULE



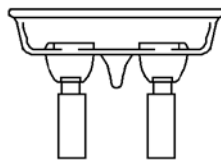
FLEXIBLE WIRE LEADS



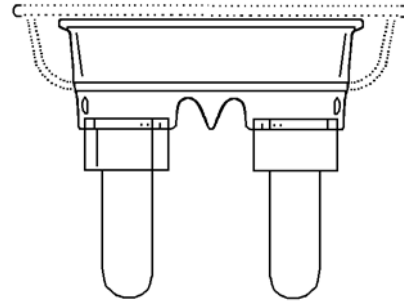
TELEPHONE SLIDE NUMBER TWO



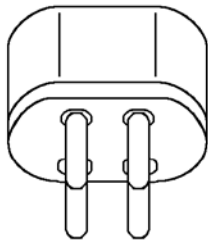
TELEPHONE SLIDE SPECIAL



MEDIUM BIPOST



MOGUL BIPOST



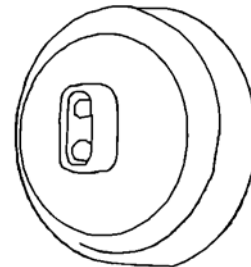
**OVAL SMALL FOUR
PIN (GERMICIDAL)**



**MINIATURE PINLESS
(T-5, AIRCRAFT)**

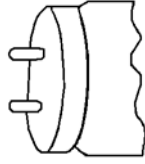


**MINIATURE
TWO PIN**

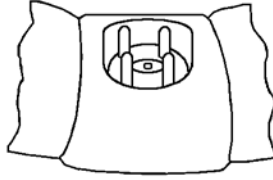


**RECESSED DOUBLE
CONTACT (FLUORESCENT)**

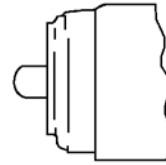
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MEDIUM BIPIN
(FLUORESCENT T-8, T-12)
MINIATURE BIPIN
(FLUORESCENT T-5, T-12)
MOGUL PIN
(FLUORESCENT T-12, T-17)



FOUR PIN CIRCLINE
(FLUORESCENT)



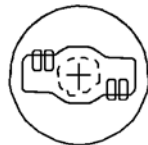
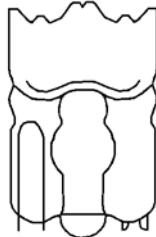
SINGLE PIN
(SLIMLINE FLUORESCENT)



THREE PRONG AND TWO
PRONG (FLUORESCENT)



WIRE TERMINALS, DOWN



WEDGE



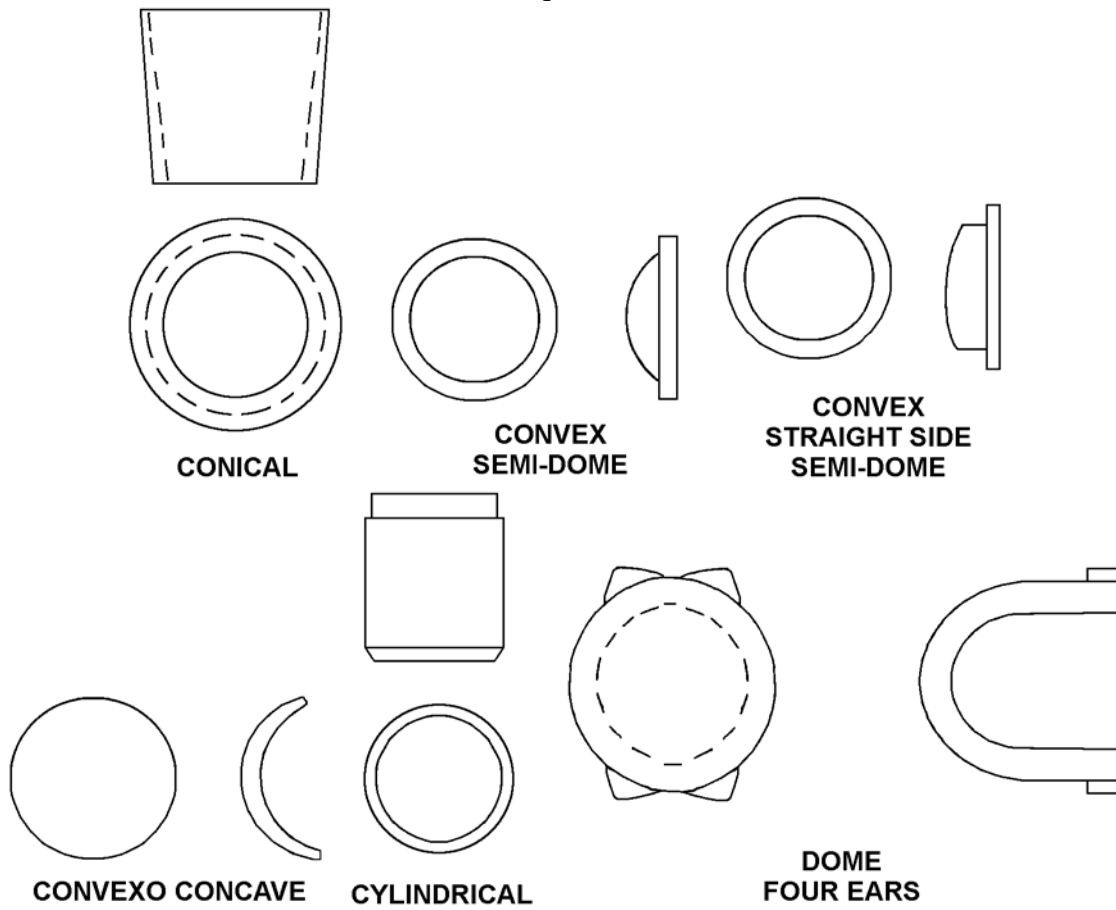
CYLINDRICAL
(CANDLE)

REFERENCE DRAWING GROUP C

LIGHTS, GENERAL PURPOSE

LENS TYPES

(No Requirements)



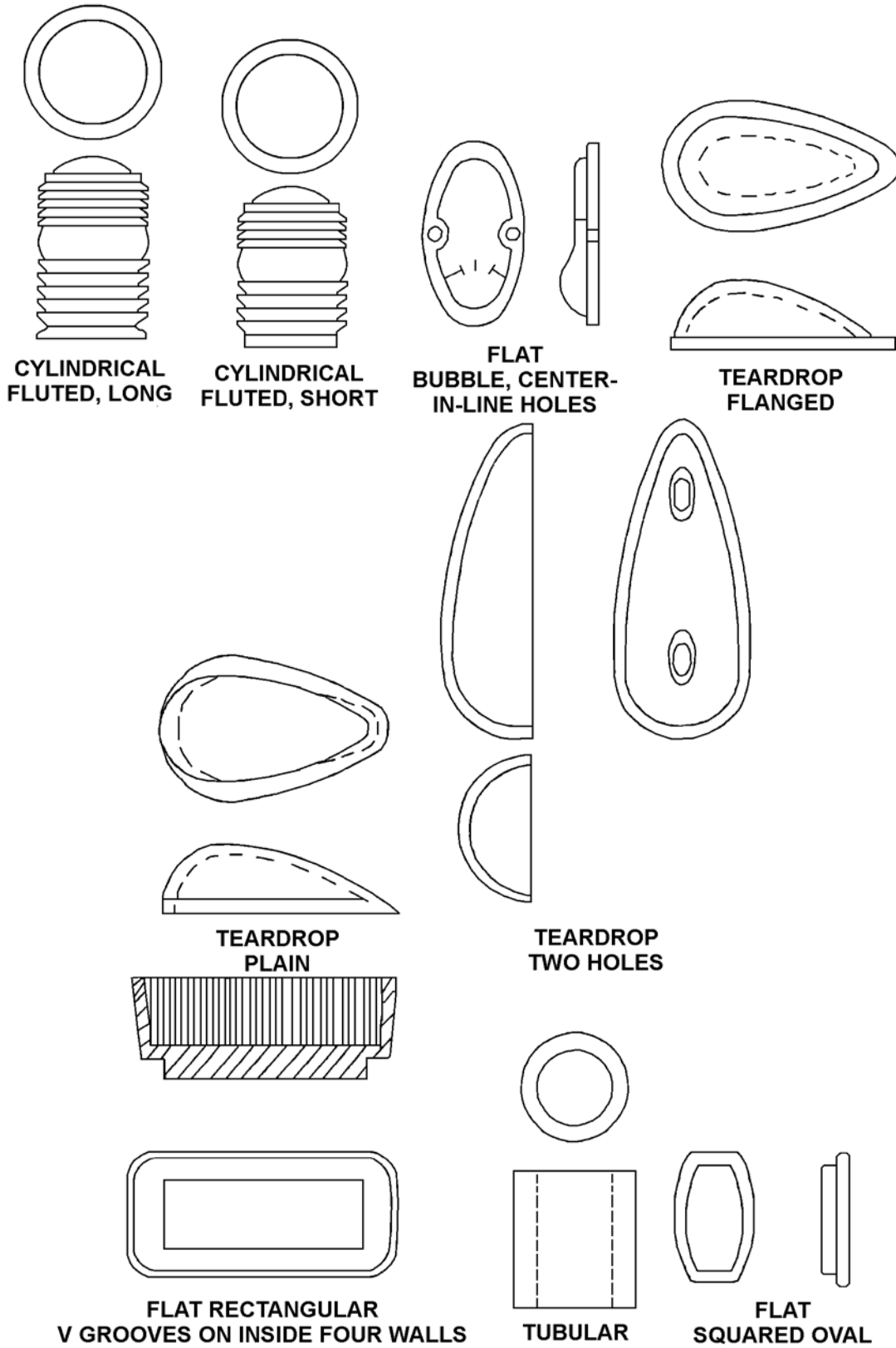
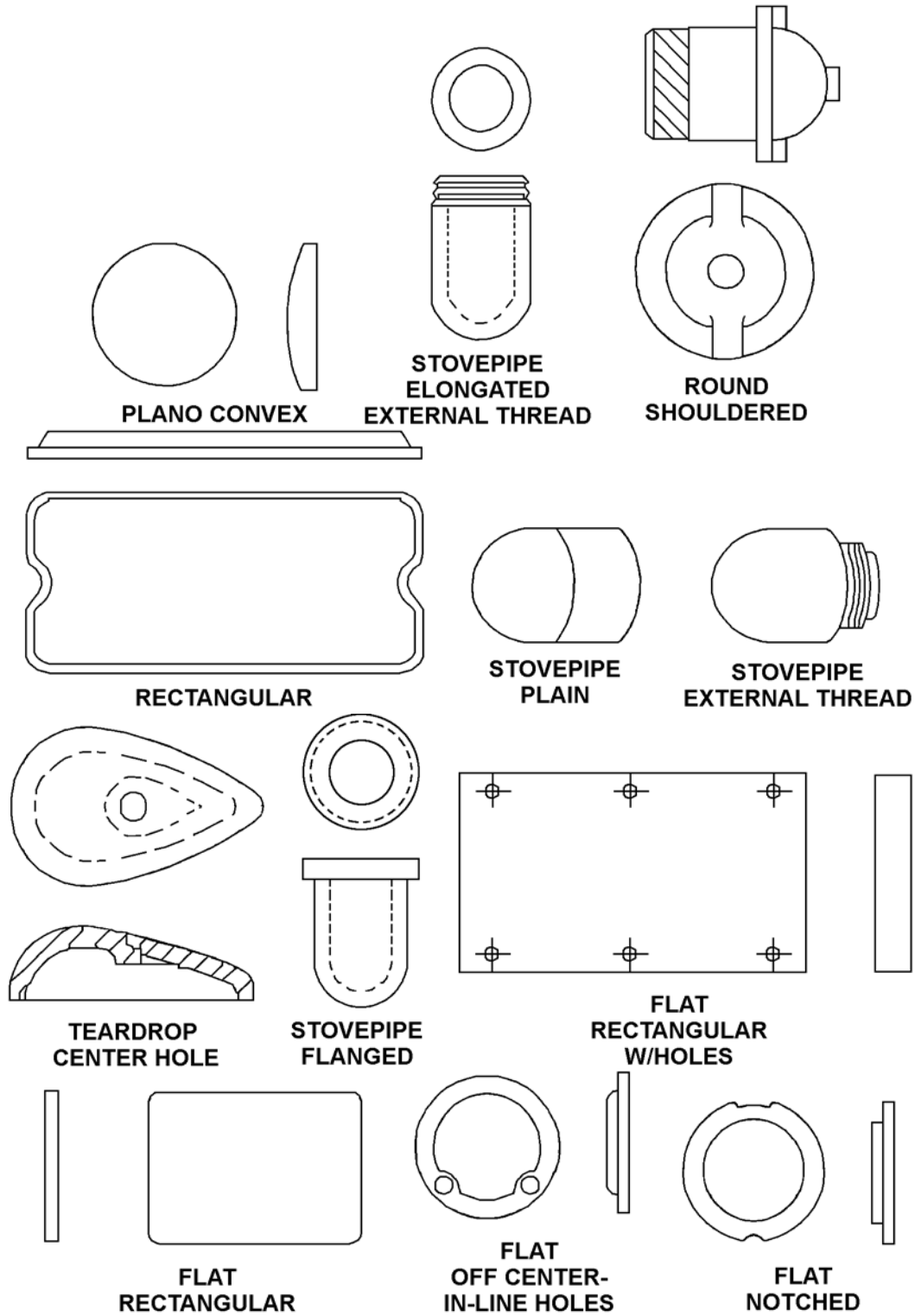


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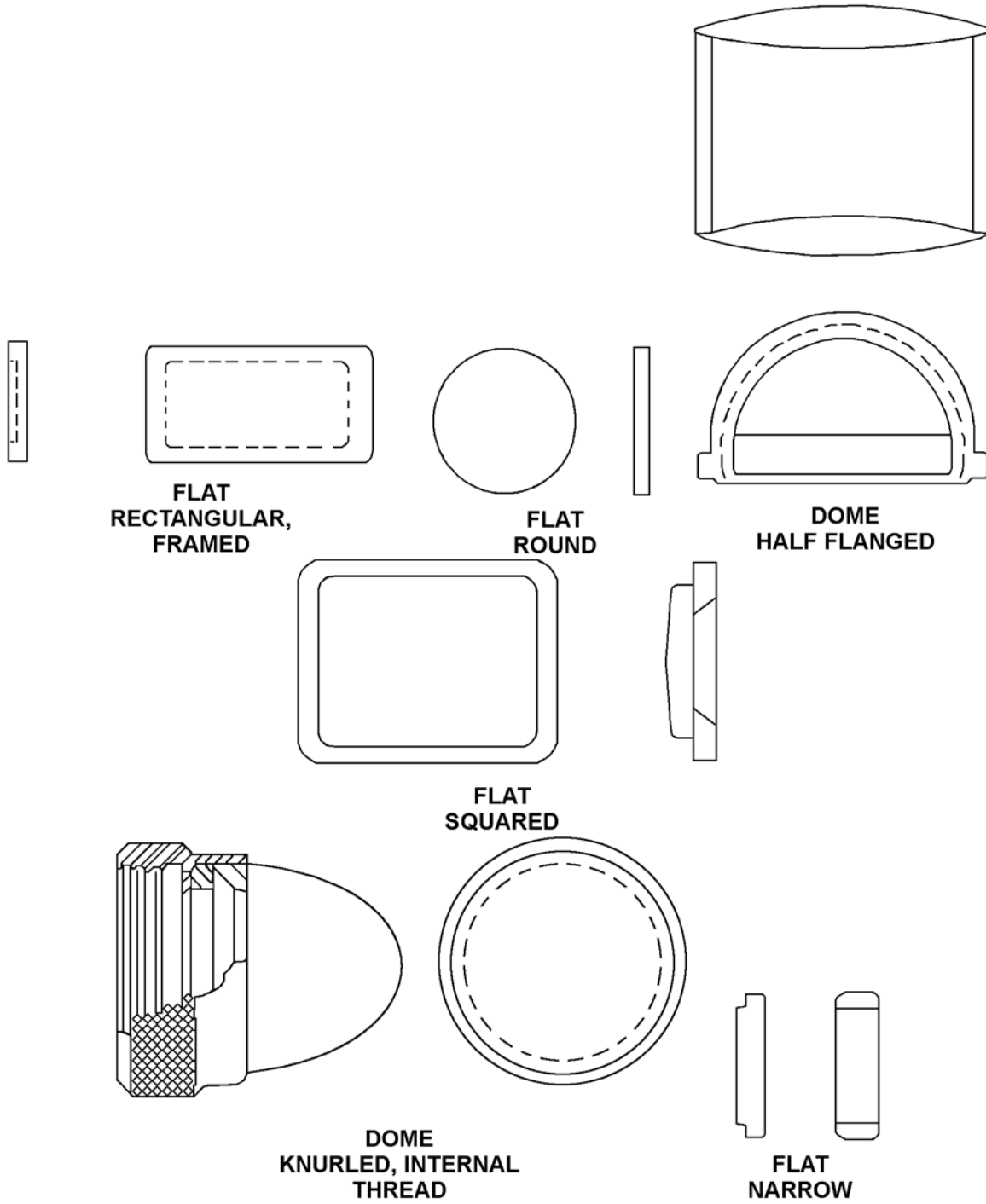
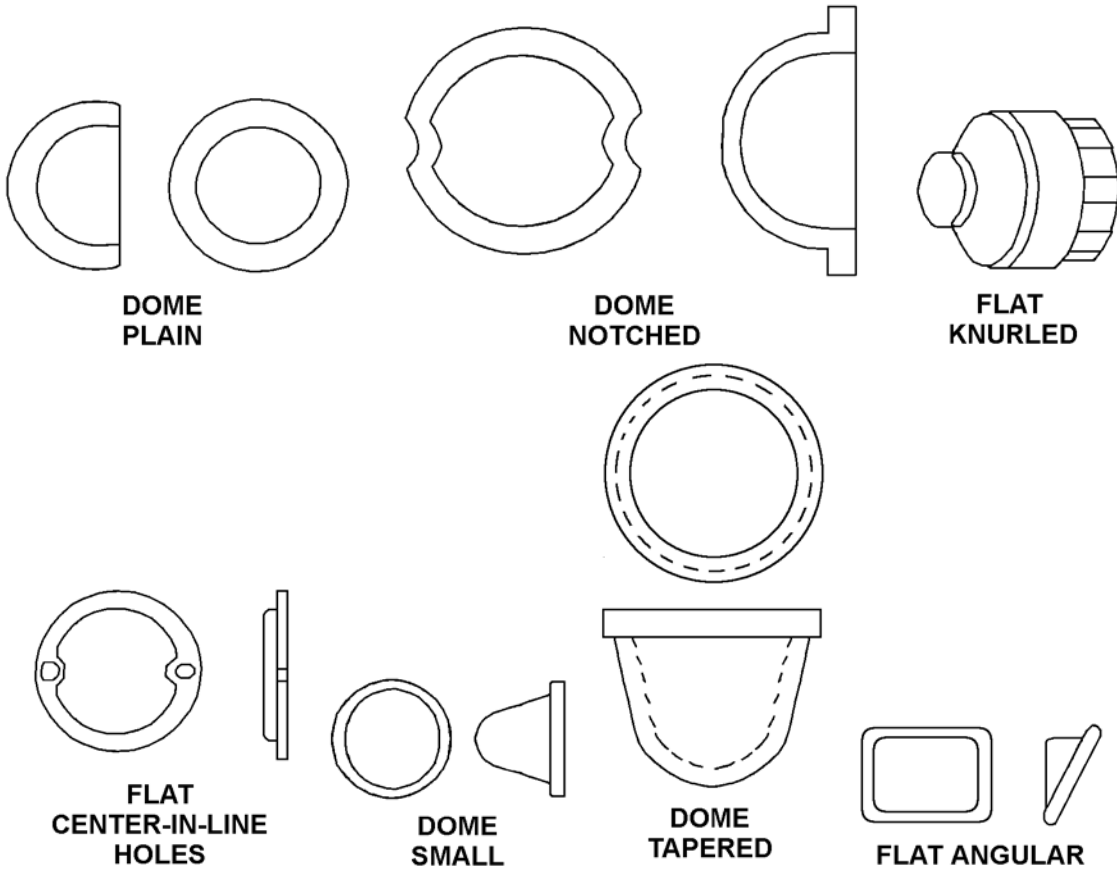


FIG A063
APPENDIX B



Technical Data Tables

| | |
|---|-----|
| DEFINITIONS AND CLARIFICATION OF TERMS | 102 |
| MATERIAL LOCATION I/SAC | 110 |
| LENS SURFACE CONDITION I/SAC | 111 |
| LIGHT ADJUSTMENT I/SAC | 112 |
| WIRING PROVISION LENGTH I/SAC | 113 |
| NEMA* DEFINITIONS OF QUALIFYING TERMS | 114 |
| HAZARDOUS LOCATION CLASSIFICATION | 115 |
| OUNCE TO DECIMAL OF A POUND CONVERSION CHART | 116 |
| STANDARD FRACTION TO DECIMAL CONVERSION CHART | 117 |
| FIIG Change List, Effective December 4, 2009 | 118 |

DEFINITIONS AND CLARIFICATION OF TERMS

| | |
|---|--|
| MATERIAL | - The input for MRC MATT will be the name of the basic material and the chemical analysis designator when applicable. |
| CHEMICAL ANALYSIS DESIGNATOR | - The assigned designation that represents and indicates the percentage or proportions of the various elements within a material. |
| MATERIAL DOCUMENT | - The specification and/or standard that restricts the percentage or proportions of the various elements within a material. |
| PHYSICAL PRIORITIES | - The various physical conditions of a material/surface treatment such as class, temper, and etc. |
| SURFACE TREATMENT | - The input for MRC SFTT will be the name of the protective coating and the compound designator when applicable. |
| COMPOUND DESIGNATION | - The assigned designation that represents and indicates the percentage or proportion of various elements within a surface treatment. |
| IDENTIFIED SECONDARY ADDRESS CODING (I/SAC) | - A technique which provides a means to properly identify specific locations, sequences, and the like, and relate them to the applicable characteristics for a designated MRC. |

MRCs MATT and MDCL are designed to establish a meaningful relationship between basic materials and their related specifications and/or standards data to provide a more efficient characteristic screening and search operation. The following examples are provided to clarify interpretation and input of data relative to MRCs MATT and MDCL and other MRCs utilizing the same concepts whenever Identified Secondary Address Coding (I/SAC) is instructed for those MRCs.

In order to properly establish a definitive relationship between MRCS MATT and MDCL in the following examples it is first necessary to identify the specific locations by utilizing Identified Secondary Address Coding (I/SAC).

The following I/SAC Table is given as an example and will be used in the recording instructions and examples.

Identified Secondary Address Coding

| <u>I/SAC FIELD INDICATOR</u> | <u>LOCATION</u> |
|------------------------------|-----------------|
| 1X | OVERALL |
| 1A | BODY |
| 1B | FLANGE |
| 1C | STEM |

EXAMPLE 1: MULTIPLE MATERIALS/SINGLE LOCATION - If source documentation indicates that the overall item is fabricated from multiple materials such as ALUMINUM ALLOY, QQ-A-250/5, ALLOY 2024, T4 and STEEL, QQ-S-634, COMP 1020, COND CD, the encoded input will be:

MATT1XDAL2024\$\$DST1020*

MDCL1XJBBQQ-A-250/5,T4\$\$JBCQQ-S-634,COND CD*

Note the use of I/SAC 1X in both MRCs to indicate an overall location.

Also note the use of Table 2 from MDCL (Reply Codes B and C for 1st and 2nd Material Response) to establish the relationship between the basic material cited in MATT and the applicable specification data in MDCL.

EXAMPLE 2: OPTIONAL MATERIALS/SINGLE LOCATION - The same technique applies for this condition as was shown in Example 1, except that OR condition coding (\$) will be used.

MATT1XDAL2024\$DST1020*

MDCL1XJBBQQ-A-250/5,T4\$JBCQQ-S-634,COND CD*

EXAMPLE 3: MULTIPLE MATERIALS/MULTIPLE LOCATIONS - If the source documentation indicates that multiple locations on an item are fabricated from multiple materials such as ALUMINUM ALLOY, QQ-A-250/5, ALLOY 2024, T4 and STEEL, QQ-S-634, COMP 1020, COND CD for the body and ALUMINUM ALLOY QQ-A-250/7, ALLOY 5086, T4 and STEEL, QQ-S-634, COMP 4130 for the flange, the encoded input will be:

MATT1ADAL2024\$\$DST1020*

MATT1BDAL5086\$\$DST4130*

MDCL1AJBBQQ-A-250/5,T4\$\$JBCQQ-S-634,COND CD*

MDCL1BJBBQQ-A-250/7,T4\$\$JBCQQ-S-634*

In order to properly establish a definitive relationship between MATT and MDCL in the above example, it is first necessary to identify the specific locations involved by utilizing I/SAC 1A and 1B for MATT. The same I/SAC will now be used for the input of MDCL in order to associate the related specification data to the same locations. To complete the relationship between the basic material cited in MATT and the applicable specification data in MDCL, Table 2 in MDCL shall be utilized. Note that in the above example for MDCL, the Reply Codes B (1st Material Response) and C (2nd Material Response) were repeated for the two (2) different locations. This is required since the use of I/SAC denotes different locations and each input shall be regarded as an individual occurrence of characteristic data.

EXAMPLE 4: OPTIONAL MATERIALS/MULTIPLE LOCATIONS - The same technique applies for this condition as was shown in Example 3, except that OR condition coding (\$) will be used.

MATT1ADAL2024\$DST1020*
MATT1BDAL5086\$DST4130*
MDCL1AJBBQQ-A-250/5,T4\$JBCQQ-S-634,COND CD*
MDCL1BJBBQQ-A-250/7,T4\$JBCQQ-S-634*

EXAMPLE 5:MULTIPLE-OPTIONAL MATERIALS/MULTIPLE LOCATIONS - To further define the proper utilization of Table 2 from MDCL, the following example is provided. If source documentation indicates that multiple locations on an item are fabricated from multiple/optional materials such as aluminum ALLOY,QQ-A-250/7, ALLOY 5086, T4 and STEEL, COMP 1020 or ALUMINUM ALLOY, QQ-A-250/5, ALLOY 2024 and STEEL, QQ-S-634, COMP 4130 for the body and STEEL, QQ-S-634, COMP 1020, COND CD for the stem, the encoded input would be:

MATT1ADAL5086\$\$DST1040\$DAL2024\$\$DST4130*
MATT1CDST1020*
MDCL1AJBBQQ-A-250/7,T4\$JBDQQ-A-250/5\$\$JBEQQ-S-634*
MDCL1CJBAQQ-S-634,COND CD*

Only the applicable I/SAC need be input to identify the characteristics for a particular location. Since only the materials for Body and Stem were called out in the above example, only I/SAC 1A and 1C will be input.

Note also that in this example, there was no specification data cited for the 2nd material response for the body. Through utilization of Table 2 in MDCL (Reply Codes B, D, and E for 1st, 3rd and 4th Material Response) the proper relationship between MRCS MATT and MDCL was established on those materials for the body that had related specification data. The absence of a reply to MDCL relative to the 2nd Material Response indicates there is no related specification and/or standard data.

EXAMPLE 6:MANUFACTURER'S REFERENCE - An item fabricated from material that reflects a manufacturers reference.(a) DOCUMENTATION: ALUMINUM ALLOY, 415136-2125, ALLOY 5052-H32, TEXAS INSTRUMENTS INC.

MATTDAL5052*
MDCLJFA415136-2125 H32, CAGE Code 14859*

(b) DOCUMENTATION: ALUMINUM ALLOY, 521-0194-004, NORTH AMERICAN ROCKWELL CORP.

MATTDAL0000*
MDCLJFA521-0194-004, CAGE Code 88750*

In the first example, 6.(a) above, the chemical analysis designator is recognized as such since it is a standard industrial designator for the material while in the second example, 6.(b) above, the

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numbers cited could be either a specification/standard, drawing, chemical designator or a combination of all. Therefore, if the chemical analysis designator cannot be clearly recognized as a standard industrial designator for the specific material noted, the cited numbers will not be entered as a reply for MRC MATT, but may be input to MRC MDCL. Many material compositions can be assigned the same chemical analysis designator, but be recognized by various names, therefore, the following material names will no longer be used for valid material replies:

| | |
|----------|--|
| ALUMINUM | If no chemical analysis designator cited use COPPER ALLOY. If a designator is is cited use |
| BRONZE | COPPER ALLOY with with applicable designator. |

BERYLLIUM

COPPER

BRASS

BRONZE

MAGANESE

BRONZE

NICKEL SILVER

PHOSPHOR

BRONZE

COPPER-

BERYLLIUM

COPPER-NICKEL

COPPER-NICKEL-

ZINC

NICKEL COPPER

CRES

STEEL,

STAINLESS

STAINLESS STEEL

NYLON

POLYAMIDE

NYLON

CLOTH

FABRIC

FELT

FIBER

When a material such as ALUMINUM-COPPER (NOS) the use of AND (\$\$) will be necessary to record the reply, ALUMINUM and COPPER. If a specification/standard restricts the percentage or proportions to equal amounts, the dual input to MRC MATT must be utilized. This also will be used for Surface Treatment.

RUBBER: There are only two replies for RUBBER, NATURAL/SYNTHETIC, as the designations that are being used, cite physical conditions of the material, not chemical analysis designations. If the data reflected by these designations is required for NSN assignment, requirements must be added to Section I for the data input. If this data is not required for NSN assignment input the designations to MRC MDCL.

The Material and Surface Treatment requirements, previously reflected as MRCS MATL and SURF have been replaced by MRCS MATT and SFTT with I/SAC assigned a location table displayed in Appendix C, Table 4.

Relationship of Material and Surface Treatment Requirements

Replies for MRCs MDCL and STDC must be sequenced in the same manner as the data recorded in MRCs MATT and SFTT. Table 2 of MRCs MDCL and STDC is used to establish this relationship. A single input to a data chain is to be considered a single material. This is not to be confused with the location of the material cited through the use of Appendix C, Table 4. When AND/OR coding is utilized for MRCS MATT and/or SFTT relationship must be established with the specification/standard data cited in MRCS MDCL and/or STDC. To make the data more intelligible provided are examples, as follows:

CODED INPUT -- BODY:

(a) MATT1BKDAL5086\$\$DST4130*

| | |
|--------|----------------------|
| 1B | Identifies Body |
| AL5086 | 1st Material (input) |
| \$\$ | AND Coding |
| ST4130 | 2nd Material |

(b) MDCL1BKJBBQQ-A-250/7, T4\$\$JBCQQ-S-634, COND CD*

| | |
|----|-------------------------------|
| 1B | Identifies Body |
| B | Fed Spec Identifier (Table 1) |

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(b) MDCL1BKJBQQ-A-250/7, T4\$\$JBCQQ-S-634, COND CD*

| | |
|-------------------|--|
| B | 1st Material Response Identifier (Table 2) |
| QQ-A-250/7,T4 | 1st Material Spec/Std |
| \$\$ | AND Coding |
| B | Fed Spec Identifier (Table 1) |
| C | 2nd Material Response Identifier (Table 2) |
| QQ-S-634, COND CD | 2nd Material Spec/Std |

DECODED OUTPUT:

| | |
|---------------|----------------|
| MATERIAL----- | ALUMINUM |
| | ALLOY 5086 and |
| | STEEL COMP |
| | 4130 BODY |

| | |
|--------------------|---|
| MATL DOCUMENT AND | FED SPEC QQ-A-250/7, T4 1st Material Response and |
| CLASSIFICATION---- | FED SPEC QQ-S-634, COND CD 2nd Material |
| | Response Body |

(a) CODED INPUT -- SHANK

(a) MATT1CDAL5086\$\$DST1040\$DAL2024\$\$DST4130*

| | |
|--------|------------------------------------|
| 1C | Identifies Shank |
| AL5086 | 1st Material (input) |
| \$\$ | AND Coding |
| ST1040 | 2nd Material (input) (No Spec/Std) |
| \$ | OR Coding |
| AL2024 | 3rd Material (input) |
| \$\$ | AND coding |
| ST4130 | 4th Material (input) |

(b) MDCL1CJBQQ-A-250/7, T4\$\$JBCQQ-A-250/5\$JBDQQ-S-634*

| | |
|----------------|--|
| 1C | Identifies Shank |
| B | Fed Spec Identifier (Table 1) |
| B | 1st Material Response Identifier (Table 2) |
| QQ-A-250/7, T4 | 1st Material Spec/Std |
| \$\$ | AND Coding |
| B | Fed Spec Identifier (Table 1) |
| C | 2nd Material Response Identifier (Table |

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(b) MDCL1CJBBQQ-A-250/7, T4\$\$JBCQQ-A-250/5\$JBDQQ-S-634*

| | |
|------------|--|
| QQ-A-250/5 | 2) |
| \$ | 2nd Material Spec/Std |
| B | OR Coding |
| D | Fed Spec Identified (Table 1) |
| QQ-S-634 | 3rd Material Response Identifier (Table 3) |
| | 3rd Material Spec/Std |

DECODED INPUT - SHANK

| | | |
|----------------|---------------------|----------------|
| MATERIAL ----- | ALUMINUM, ALLOY | (1st Material) |
| | 5086 AND | |
| | STEEL, COMP 1040 OR | (2nd Material) |
| | ALUMINUM, ALLOY | (3rd Material) |
| | 2024 AND | |
| | STEEL, COMP 4130 | (4th Material) |
| | SHANK | |

MATERIAL DOCUMENT
AND CLASSIFICATION -----

| | |
|---------------------------|---|
| FED SPEC QQ-A-250/7, T4 | (Matches the 1st input) |
| 1st Material Response AND | |
| FED SPEC QQ-A-250/5 2nd | |
| Material Response OR | |
| FED SPEC QQ-S-634 3rd | (Does not match 2nd input MATT as no |
| Material Response Shank | Spec/Std Data reflected for the material, |
| | therefore, 3rd input does not match) |

The Decoded data for Example 2 has no meaningful relationship due to improper use of Table 1, as the Spec/Std are erroneous for the recorded data.

The input to MRCs MATT and SFTT must be identified consecutively within each data chain.

The input to MRCs MATT and SFTT will not be identified consecutively throughout all data chains to a MRC.

See EXAMPLE 3 for the correct input for EXAMPLE 2 (b).

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(b) MDCL1CJBBQQ-A-250/7, T4\$\$JBDQQ-A-250/5\$JBEQQ-S-634*

| | |
|----------------|--|
| 1C | Identifies Shank |
| B | Fed Spec Identifier (Table 1) |
| B | 1st Material Response Identifier (Table 2) |
| QQ-A-250/7, T4 | 1st Material Spec/Std |
| \$\$ | AND Coding |
| B | Fed Spec Identifier (Table 1) |
| D | 3rd Material Response Identifier (Table 2) |
| QQ-A-250/5 | 3rd Material Spec/Std |
| \$ | OR Coding |
| B | Fed Spec Identifier (Table 1) |
| E | 4th Material Response Identifier (Table 2) |
| QQ-S-634 | 4th Material Spec/Std |

DECODED INPUT:

MATERIAL DOCUMENT AND CLASSIFICATION---

--

FED SPEC QQ-A-250/7, T4 1st Material Response
AND
FED SPEC QQ-A-250/5, 3rd Material Response OR
FED SPEC QQ-S-634 4th Material Response Shank

This corrected example reflects a meaningful relationship between MRC MATT, EXAMPLE 2 (a), and MDCL when decoded.

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MATERIAL LOCATION I/SAC

| <u>I/SAC FIELD INDICATOR</u> | <u>LOCATION</u> |
|------------------------------|--|
| 1A | BASE |
| 1B | BODY (housing, frame, shell, etc.) |
| 1C | CASE (carrying, covering, protective, etc.) |
| 1D | FILTER |
| 1E | HANDLE |
| 1F | HEAD |
| 1G | HEADBAND |
| 1H | HORIZONTAL BAR |
| 1J | ILLUMINATION DIRECTING DEVICE |
| 1K | LENS (pertains only to that portion which transmits light) |
| 1P | LENS HOLDER |
| 1L | REFLECTOR |
| 1M | STAND |
| 1N | TRUNNION |

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LENS SURFACE CONDITION I/SAC

| <u>I/SAC FIELD INDICATOR</u> | <u>LOCATION</u> |
|------------------------------|-----------------|
| 1P | BACK |
| 1Q | FACE |

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LIGHT ADJUSTMENT I/SAC

| <u>I/SAC FIELD INDICATOR</u> | <u>LOCATION</u> |
|------------------------------|-----------------|
| 1A | HORIZONTAL |
| 1B | VERTICAL |

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WIRING PROVISION LENGTH I/SAC

| <u>I/SAC FIELD INDICATOR</u> | <u>LOCATION</u> |
|------------------------------|------------------|
| 1A | FIRST PROVISION |
| 1B | SECOND PROVISION |
| 1C | THIRD PROVISION |
| 1D | FOURTH PROVISION |
| 1E | SINGLE PROVISION |
| 1F | ALL PROVISIONS |

NEMA* DEFINITIONS OF QUALIFYING TERMS

NOTE: Definitions in the above list bearing the identification "C42" are selected from the group 95 definitions proposed by subcommittee 18 of sectional committee C42 for inclusion in the next edition of the "American Standard Definitions of Electrical Terms." Numbers at right of each definition refer to "American Standard Definitions of Electrical Terms," published by American Institute of Electrical Engineers, approved by **American Standards Association. *National Electrical Manufacturers Association **Now American National Standards Institute (ANSI)

1. Acid-Resistant (C42) 95.91.165 Acid-resistant means so constructed that it will not be injured readily by exposure to acid fumes.

2. Dustproof (C42) 95.91.126 Dustproof means so constructed or protected that dust will not interfere with its successful operation.

3. Dust-tight (C42) 95.91.130 Dust-tight means so constructed that dust will not enter the enclosing case.

4. Fume-resistant (C42) 95.91.116 Fume-resistant means so constructed that it will not be injured readily by exposure to the specified fumes.

5. Moisture resistant (C42) 95.91.140 Moisture-resistant means so constructed or treated that it will not be injured readily by exposure to a moist atmosphere.

6. Oil-tight Oil-tight means so constructed that oil will not enter the enclosing case.

7. Rain-tight (C42) 95.91.175 Rain-tight means so constructed or protected that exposure to a beating rain will not result in the entrance of water.

8. Sleetproof (C42) 95.91.170 Sleetproof means so constructed or protected that the accumulation of sleet will not interfere with its successful operations.

9. Splashproof (C42) 95.91.160 Splashproof means so constructed and protected that external splashing will not interfere with its successful operation.

10. Submersible (C42) 95.91.148 Submersible means so constructed that it will operate successfully when submerged in water under specified conditions of pressure and time.

11. Water-tight Water-tight means provided with an enclosing case which will exclude water applied in the form of a hose stream under specified conditions.

12. Weatherproof (Outside Exposure) (C42) 95.91.186 Weatherproof means so constructed or protected that exposure to the weather will not interfere with its successful operation.

*National Electrical Manufacturers Association

**Now American National Standards Institute (ANSI)

HAZARDOUS LOCATION CLASSIFICATION

CLASS I - LOCATIONS

"Class I locations are those in which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures." Class I includes the following groups:

GROUP A:

Atmospheres containing acetylene;

GROUP B:

Atmospheres containing hydrogen or gases or vapors of equivalent hazard such as manufactured gas;

GROUP C:

Atmospheres containing ethyl-ether vapor, ethylene, or cyclopropane;

GROUP D:

Atmospheres containing gasoline, hexane, naptha, benzine, butane, propane, alcohol, acetone, lacquer solvent vapors, or natural gas.

CLASS II - LOCATIONS

"Class II locations are those which are hazardous because of the

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presence of combustible dust." Class II locations include the following groups:

GROUP E:

Atmospheres containing metal dust, including aluminum, magnesium, and their commercial alloys;

GROUP F:

Atmospheres containing carbon black, coal or coke dust;

GROUP G:

Atmospheres containing flour, starch, or grain dust.

CLASS III - LOCATIONS

"Class III locations are those which are hazardous because of the presence of easily ignitable fibers or flyings; but in which such fibers or flyings are not likely to be in suspension in air in quantities sufficient to produce ignitable mixtures."

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

| <u>OUNCES</u> | <u>POUNDS</u> |
|---------------|---------------|
| 1 | 0.062 |
| 2 | 0.125 |
| 3 | 0.188 |
| 4 | 0.250 |
| 5 | 0.312 |
| 6 | 0.375 |
| 7 | 0.438 |
| 8 | 0.500 |
| 9 | 0.562 |
| 10 | 0.625 |
| 11 | 0.688 |
| 12 | 0.750 |
| 13 | 0.812 |
| 14 | 0.875 |
| 15 | 0.938 |
| 16 | 1.000 |

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STANDARD FRACTION TO DECIMAL CONVERSION CHART

| <u>4ths</u> | <u>8ths</u> | <u>16ths</u> | <u>32nds</u> | <u>64ths</u> | <u>To 3</u> | <u>To 4</u> | <u>4ths</u> | <u>8ths</u> | <u>16ths</u> | <u>32nds</u> | <u>64ths</u> | <u>To 3</u> | <u>To 4</u> |
|-------------|-------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|-------------|
| | | | | 1/64 | .016 | .0156 | | | | | 33/64 | .516 | .5156 |
| | | | 1/32 | ----- | .031 | .0312 | | | | 17/32 | ----- | .531 | .5312 |
| | | | | 3/64 | .047 | .0469 | | | | | 35/64 | .547 | .5469 |
| | | 1/16 | ----- | | .062 | .0625 | | | 9/16 | ----- | ----- | .562 | .5625 |
| | | | | 5/64 | .078 | .0781 | | | | | 37/64 | .578 | .5781 |
| | | | 3/32 | ----- | .094 | .0938 | | | | 19/32 | ----- | .594 | .5938 |
| | | | | 7/64 | .109 | .1094 | | | | | 39/64 | .609 | .6094 |
| | 1/8 | ----- | ----- | ----- | .125 | .1250 | | 5/8 | ----- | ----- | ----- | .625 | .6250 |
| | | | | 9/64 | .141 | .1406 | | | | | 41/64 | .641 | .6406 |
| | | | 5/32 | ----- | .156 | .1562 | | | | 21/32 | ----- | .656 | .6562 |
| | | | | 11/64 | .172 | .1719 | | | | | 43/64 | .672 | .6719 |
| | | 3/16 | ----- | ----- | .188 | .1875 | | | 11/16 | ----- | ----- | .688 | .6875 |
| | | | | 13/64 | .203 | .2031 | | | | | 45/64 | .703 | .7031 |
| | | | 7/32 | ----- | .219 | .2188 | | | | 23/32 | ----- | .719 | .7188 |
| | | | | 15/64 | .234 | .2344 | | | | | 47/64 | .734 | .7344 |
| 1/4 | ----- | ----- | ----- | ----- | .250 | .2500 | 3/4 | ----- | ----- | ----- | ----- | .750 | .7500 |
| | | | | 17/64 | .266 | .2656 | | | | | 49/64 | .766 | .7656 |
| | | | 9/32 | ----- | .281 | .2812 | | | | 25/32 | ----- | .781 | .7812 |
| | | | | 19/64 | .297 | .2969 | | | | | 51/64 | .797 | .7969 |
| | | 5/16 | ----- | ----- | .312 | .3125 | | | 13/16 | ----- | ----- | .812 | .8125 |
| | | | | 21/64 | .328 | .3281 | | | | | 53/64 | .828 | .8281 |
| | | | 11/32 | ----- | .344 | .3438 | | | | 27/32 | ----- | .844 | .8438 |
| | | | | 23/64 | .359 | .3594 | | | | | 55/64 | .859 | .8594 |
| | 3/8 | ----- | ----- | ----- | .375 | .3750 | | 7/8 | ----- | ----- | ----- | .875 | .8750 |
| | | | | 25/64 | .391 | .3906 | | | | | 57/64 | .891 | .8906 |
| | | | 13/32 | ----- | .406 | .4062 | | | | 29/32 | ----- | .906 | .9062 |
| | | | | 27/64 | .422 | .4219 | | | | | 59/64 | .922 | .9219 |
| | | 7/16 | ----- | ----- | .438 | .4375 | | | 15/16 | ----- | ----- | .938 | .9375 |
| | | | | 29/64 | .453 | .4531 | | | | | 61/64 | .953 | .9531 |
| | | | 15/32 | ----- | .469 | .4688 | | | | 31/32 | ----- | .969 | .9688 |
| | | | | 31/64 | .484 | .4844 | | | | | 63/64 | .984 | .9844 |
| | | | | | .500 | .5000 | | | | | | 1.000 | 1.0000 |

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FIIG Change List, Effective December 4, 2009

Removed Cross-References for Quartzline and Tungsten Halogen from MRC CRHX, Table AD48.

Added Reply Code AS, Reply "Tungsten Halogen" to MRC CRHX, Table AD48.

Updated MRC NAME in Section 1.

Removed Reply Code A, any acceptable from tables 1, 2, 3, 4, and 10.

Removed Reply Code AAA, any acceptable from table 6.

